

# WELL NO. 0157

VDMR WELL NO. \_\_\_\_\_

Sample Interval 35-385 (21)

Total Depth \_\_\_\_\_

Oil \_\_\_\_\_ Gas \_\_\_\_\_ Water  Exploratory \_\_\_\_\_

Cuttings  Core \_\_\_\_\_ Other \_\_\_\_\_

Sheet No. 1

**PROP: KROGER CO. #2**  
**COMP: SOUTHERN DRILLING CO.**  
**COUNTY: ROANOKE**  
**VDMR WELL NO. 0157**  
**FROM: \_\_\_\_\_ TO: \_\_\_\_\_**

From-To	From-To	From-To	From-To	From-To
35-40	210-220	-	-	-
40-45	220-230	-	-	-
45-50	230-240	-	-	-
50-55	240-250	-	-	-
60-70	250-260	-	-	-
70-80	260-270	-	-	-
80-90	270-280	-	-	-
90-100	280-290	-	-	-
100-110	290-300	-	-	-
110-120	300-310	-	-	-
120-130	310-320	-	-	-
130-140	320-330	-	-	-
140-150	330-340	-	-	-
150-160	340-350	-	-	-
160-170	350-360	-	-	-
170-180	384-385	-	-	-
180-190	-	-	-	-
190-200	-	-	-	-
200-210	-	-	-	-

Well No. 21

Office No. \_\_\_\_\_

Map No. \_\_\_\_\_

County \_\_\_\_\_

Map \_\_\_\_\_

Commonwealth of Virginia  
Department of Conservation and Development  
VIRGINIA GEOLOGICAL SURVEY  
Box 1428, University Station, Charlottesville, Va.

WATER WELL COMPLETION REPORT

(This report must be submitted within 30 days after completion of well.)

Property of The Kroger Company, Address 35 East Seventh Street,  
Well No. 2 Cincinnati, Ohio.  
Location (a) City or Town \_\_\_\_\_ (b) County Roanoke, Va. Approximately 3 miles feet  
(direction) west of Salem, Va. and 150 feet north (direction)  
\_\_\_\_\_ of Virginian Railway \_\_\_\_\_ miles

(Give direction and distance in feet or tenths of a mile from two (2) location reference points or map coordinates shown on quadrangle topographic map or, where such map is not available, give direction and distance from two (2) known reference points on County Highway map.)

Driller Southern Drilling Company Address 3634 Mt. Vernon Dr; S.W.,  
\_\_\_\_\_ Roanoke, Virginia.

Drilling commenced Feb. 5th 1958 Drilling completed April 11th 1958  
Elevation (ground surface) 1060 feet Diameter \_\_\_\_\_ inch, surface to \_\_\_\_\_ feet  
Total depth: 390 feet \_\_\_\_\_ inch, \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Bedrock (hard rock) at 38 feet \_\_\_\_\_ inch, \_\_\_\_\_ feet to \_\_\_\_\_ feet

Casing: 16 inch 0 feet to 28'6" feet Screen (Strainer or Perforated Casing)  
10 inch 0 feet to 90'6" feet Diam. Mesh Size feet to feet  
8 inch 0 feet to 156'6" feet \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ inch \_\_\_\_\_ feet to \_\_\_\_\_ feet \_\_\_\_\_ to \_\_\_\_\_

Pump  
Yield: (a) ~~flow~~ 235 GPM Determined: (a) Pump test 235  
(b) pump \_\_\_\_\_ GPM (b) Bailer test \_\_\_\_\_  
(c) Estimated \_\_\_\_\_

Water at (a) \_\_\_\_\_ feet to \_\_\_\_\_ feet Main supply developed at 384 feet ?  
(b) \_\_\_\_\_ feet to \_\_\_\_\_ feet at \_\_\_\_\_ feet  
(c) \_\_\_\_\_ feet to \_\_\_\_\_ feet

Pumping test: (date) 10 days; Duration \_\_\_\_\_ (hrs.); Final yield 235 GPM

Water level (static), 10' feet above surface  
below

Drawdown: 215 feet after 100 hrs. pumping at 235 GPM

Use of water (a) Public supply \_\_\_\_\_ (d) Governmental \_\_\_\_\_ Appearance of water Pump (installed)  
(check) (b) Municipal \_\_\_\_\_ (e) Industrial X Clear \_\_\_\_\_ Type turbine  
(c) Commercial \_\_\_\_\_ (f) Institutional \_\_\_\_\_ Cloudy X Capacity 250 GPM

Temperature of water (if determined) \_\_\_\_\_ °F. Taste \_\_\_\_\_ Set at 235 feet  
Odor none Remarks \_\_\_\_\_

Well shot at: (1) \_\_\_\_\_ feet; (2) \_\_\_\_\_ feet; (3) \_\_\_\_\_ feet.  
Charge used: (1) \_\_\_\_\_ lbs.; (2) \_\_\_\_\_ lbs.; (3) \_\_\_\_\_ lbs.

Packer at \_\_\_\_\_ feet Salt water at \_\_\_\_\_  
Shoe at \_\_\_\_\_ feet Brackish water at \_\_\_\_\_  
Wood plug at \_\_\_\_\_ feet Fresh water at \_\_\_\_\_

Log of well, given on reverse (over)  
Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

This form, No. \_\_\_\_\_, mailed to Va. Geological Survey Box 1428 University St. Charlottesville, Va.  
Name Address

on April 14th 1958  
Date

Received by \_\_\_\_\_ on \_\_\_\_\_  
Name Date

Completed and mailed by \_\_\_\_\_ on \_\_\_\_\_  
Name Date

Received in offices of Virginia Geological Survey on \_\_\_\_\_  
Date

LOG

Furnished by Southern Drilling Company Date 4/14/58

Compiled by B. A. Chappel Date 4/14/58

Sample No.	Formation	Color	Hard or Soft	Top (Feet)	Bottom (Feet)	Thickness (Feet)	Remarks Water, fishing, shut down, screen, caving, shot
				0	14	14	CLAY
				14	20	6	SAND, GRAVEL, & BOULDERS
				20	25	5	CLAY
				25	38	13	GRAVEL & LARGE BOULDERS
				38	44	6	BROKEN LIMESTONE
				<del>44</del>	<del>46</del>	<del>2</del>	
				44	46	2	CLAY
				46	60	14	BROKEN LIMESTONE
				60	66	6	MUD SEAM
				66	80	14	BROKEN LIMESTONE
				80	87	7	MUD SEAM
				87	135	48	SOLID LIMESTONE
				135	138	3	BROKEN LIMESTONE
				138	138'6"	6"	CAVITY - NO MUD AND VERY LITTLE WATER
				138'6"	142	3'6"	BROKEN LIMESTONE STEEPLY PITCHING HOLE TRYING TO LEAD OFF.
				142	151	9	FAIRLY SOLID LIMESTONE
				151	183	32	SOLID, HARD LIMESTONE - HOLE CAVING BADLY - CAVE IS COMING IN AT 136 AND BRIDGING OVER AT 140, WAS FORCED TO CASE WELL TO 156' WITH 8" CASING
				183	384	201	SOLID LIMESTONE, CAN BAIL WATER OUT OF WELL EASILY,
				384	385	1	CREVIS - MAKING TOO MUCH WATER TO LOWER WITH BAILER
				385	390	5	BLUE, HARD - LIMESTONE

MULTER WELL COMPLETION REPORT  
 MISSISSIPPI GEOLOGICAL SURVEY  
 Department of Conservation and Development  
 COMPLETION REPORT

WELL NO. 0124

COMMONWEALTH OF VIRGINIA  
 DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT  
 DIVISION OF MINERAL RESOURCES

Box 3667, University Station, Charlottesville, Virginia

WWCR #21  
 VDMR #157

WATER WELL COMPLETION REPORT

OWNER: The Kroger Co. Mailing Address: 35 East 7th St.  
 TENANT: #2 Mailing Address: \_\_\_\_\_  
 DRILLER: Southern Drilling Co. Mailing Address: 3634 Mt. Vernon Drive, S.W. Roanoke  
 WELL LOCATION: County Roanoke Approx. 3 miles  
West (direction) of Salem, Va. and 150 ft. miles N. of Virginia Railway  
(Give direction and distance in feet or tenths of mile from two reference points - roads, towns, rivers, etc. - on county highway or other map.)

**WATER CONDITIONS**

**DEPTH**

STATIC WATER LEVEL 10'

WATER ZONES (fissures or formations supplying water)

(from) (to) (from) (to)  
 \_\_\_\_\_ ft. \_\_\_\_\_ ft. \_\_\_\_\_ ft. \_\_\_\_\_ ft.  
384 ft. \_\_\_\_\_ ft.

**QUANTITY OF WATER**

WELL PUMPED (or bailed) at 235 Gal. per Min. with  
215 feet DRAWDOWN after 100 HOURS PUMPING.

FLOW (natural) \_\_\_\_\_ G.P.M. HEAD \_\_\_\_\_ ft. (above ground) **W**

REMARKS: \_\_\_\_\_

**QUALITY OF WATER**

COLOR Cloudy TASTE \_\_\_\_\_

ODOR None OTHER \_\_\_\_\_

ANALYSIS: AVAILABLE - Yes  No  ATTACHED Yes  No

TEMPERATURE \_\_\_\_\_

WATER (from) \_\_\_\_\_ ft. (to) \_\_\_\_\_ ft.  
(salt, brackish, iron, sulfur, acid, other)

USE OF WATER: Domestic  Town  Industry   Farm  Public  **S**

**CONSTRUCTION**

RIG TYPE (or method) \_\_\_\_\_  
(rotary, cable, bored, driven, etc...)

DATE: Started 2/5/58; Completed 4/11/58

TOTAL DEPTH 390 ft.

BEDROCK at 38 ft.

**GROUTING INFORMATION**

METHOD USED \_\_\_\_\_

GROUTING MATERIAL \_\_\_\_\_

DEPTH OF GROUTING \_\_\_\_\_

REMARKS: Elevation: 1060'

**HOLE SIZE**

(diam) \_\_\_\_\_ in. (from) \_\_\_\_\_ ft. (to) \_\_\_\_\_ ft.

**CASING SIZE**

(diam) 16 (from) 0 ft. 28 6"  
10 0 90 6"  
8 0 156 6"

**SCREEN (or perforations)**

(diam) \_\_\_\_\_ in. (from) \_\_\_\_\_ ft. (to) \_\_\_\_\_ ft. (opening size)

**PUMP (installed)**

TYPE Turbine Cap. (gpm) 250

H.P. \_\_\_\_\_ Depth of intake 235 ft.

Log of well (over)

LOG

FURNISHED BY Southern Drilling Company

DATE: 4/14/58

DEPTH (feet)		TYPE OF SOIL OR ROCK PENETRATED (gravel, clay, etc., hardness, color, etc)	REMARKS (water, caving, shot, screen, sample, etc)
FROM	TO		
0	14	Clay	
14	20	Sand, Gravel, & boulders	
20	25	Clay	
25	38	Gravel & large boulders	
38	44	Broken limestone	
44	46	Clay	
46	60	Broken limestone	
60	66	Mud seam	
66	80	Broken limestone	
80	87	Mud seam	
87	135	Solid limestone	
135	138	Broken limestone	
138	138'6"	Cavity-no mud and very little water	
138'6"	142	Broken limestone steeply pitching hole trying to lead off	
142	151	Fairly solid limestone	
151	183	Solid, hard limestone-hole caving badly-cave is coming in at 136 and bridging over at 140, was forced to case well to 156' with 8" casing	
183	384	Solid limestone, can bail water out of well easily	
384	385	Crevis-making too much water to lower with bailer	
385	390	Blue, hard-limestone	