

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 2800  
C#: 134

MAILING ADDRESS:  
B-3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES  
JAMES L. CALVER, COMMISSIONER  
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

OWNER: Sunoco Mailing Address: Richmond, VA  
(Contractor: E.L. Mueller)

TENANT: same Mailing Address: same

DRILLER: Mitchell's Well & Pump Co. Mailing Address: Rt. 1, Box 110, Colonial Hgts., VA

WELL LOCATION: County Hanover Approx. 3 miles east (direction) of  
Mechanicsville on U. S. Hwy. 360 at  
Intersection with Brandy Creek Drive. and \_\_\_\_\_ feet \_\_\_\_\_ miles \_\_\_\_\_ (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: March 1970 DATE COMPLETED: March 1970

TYPE OF DRILL RIG USED: cable tool TOTAL DEPTH 245 feet

WATER LEVEL: Stands 149 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method pumped HOLE SIZE: 15 inches from 0 to 54 feet  
Drawdown 55 feet \_\_\_\_\_ inches from 54 to 245 feet  
Rate 12 gal. per min. \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
Duration \_\_\_\_\_ hrs., \_\_\_\_\_ min. SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
CASE SIZE: 4 1/2 inches from 0 to 236'5" feet

WATER: Color clear Taste good  
Odor none Temp. \_\_\_\_\_ °F  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
dry hole-poured in cement,

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other service station  
GROUTING: Method sand, pea gravel & water  
all used to fill in large  
Material hole at top Depth \_\_\_\_\_ feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No X  
DRILL CUTTINGS SAVED: 24 Yes X No \_\_\_\_\_  
Capacity \_\_\_\_\_ gal per min  
Depth of intake \_\_\_\_\_ 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:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FURNISHED BY: Mitchell's Well & Pump Co.

DATE: 3/9/70

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	10	Red sand	
10	20	Red sand and mud	
20	30	Red sand and mud	
30	40	"	
40	50	"	
50	60	"	
60	70	Blue gray mud and clay	
70	80	"	
80	90	"	
90	100	"	
100	110	"	
110	120	"	
120	130	"	
130	140	"	
140	150	"	
150	160	"	
160	170	Blue gray mud and clay, trace of shell	
170	180	"	
180	190	"	
190	200	Sand and gravel	
200	210	"	
210	220	"	
220	230	Sand and gravel, hard formation	
230	245	"	

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2800  
C-134

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

ADDRESS:  
University Sta.  
Charlottesville, Virginia

JAMES L. CALVER, COMMISSIONER

WATER WELL COMPLETION REPORT

W-2800

Drilled for: Mr. E. L. Mueller P. O. Box 567, Highland Springs, Va., 23075  
Macon Oil Company Mailing Address: Richmond, Va.

Drilled by: same Mailing Address: same

Contractor: Mitchell's Well & Pump Company Mailing Address: R#1, Box 110, Colonial Hgts. Va.

Location: County Hanover Approx. 3 miles East of Mechanicsville (direction) of  
Route # 360 @ Intersection of Brandy Creek Drive and \_\_\_\_\_ (direction) of \_\_\_\_\_

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

Reported: March, 1970 DATE COMPLETED: March 1970

Drill Rig Used: cable tool TOTAL DEPTH 245 feet

Water Level: Stands 149 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

Drill Method: pumped  
Drawdown 55 feet  
Rate 12 gal. per min.  
Duration \_\_\_\_\_ hrs., \_\_\_\_\_ min.

HOLE SIZE: 15 inches from 0 to 54 feet  
4 1/4 inches from \_\_\_\_\_ to 245 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

Screening: from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

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

Water: clear Taste good  
or none Temp. \_\_\_\_\_ °F

CASE SIZE: 4 1/4 inches from 0 to 236'5" feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

Water Supply: (check one) Home \_\_\_\_\_  
\_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other service station

GROUTING: Method dry hole-poured in cement, sand pea gravel & water all used to fill in large hole at top.  
Material \_\_\_\_\_ Depth 54 feet

Water Analysis Available: Yes \_\_\_\_\_ No \_\_\_\_\_

PUMP: Type unknown  
Capacity \_\_\_\_\_ gal per min  
Depth of intake \_\_\_\_\_ feet

Drillings Saved: Yes <sup>24</sup>X No \_\_\_\_\_

DRILLINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE FOR ANALYSIS. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)

Well termination - hard formation  
SEVEN PINES QUADRANGLE  
ELEV. : 175'

5/6/75

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

INTERVAL SHEET

Page 1 of 1

Well Repository No: W#: 2800  
 C#: 134

Date rec'd: 3/16/70 Date Processed: 4/21/70

Sample Interval: from:- to:-

PROPERTY: Sunoco Oil Co.

Number of samples: 0 245  
 24

COMPANY: Mitchell's W & P Co.

Total Depth: 245'

COUNTY: Hanover (Mechanicsville)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0-10	-	-	-
10-20	-	-	-
20-30	-	-	-
30-40	-	-	-
40-50	-	-	-
50-60	-	-	-
60-70	-	-	-
70-80	-	-	-
80-90	-	-	-
90-100*	-	-	-
100-110*	-	-	-
110-120*	-	-	-
120-130*	-	-	-
130-140*	-	-	-
140-150*	-	-	-
150-160*	-	-	-
160-170*	-	-	-
170-180	-	-	-
180-190	-	-	-
190-200	-	-	-
200-210	-	-	-
210-220	-	-	-
220-230	-	-	-
230-245	-	-	-
	-	-	-

unwashed only.

OWNER: Sun Oil Co.  
DRILLER: Mitchell's W & P  
COUNTY: Hanover  
(Mechanicsville)

W#: 2800  
C#: 134  
TOTAL DEPTH: 245'  
QUAD.: Seven Pines

GEOLOGIC LOG

Depth  
(feet)

- 0-10 Sand — very dark yellowish orange; slightly stained; slightly clayey; medium grained, some fine grains, some coarse grains, few granules; subangular to subrounded; moderately well sorted; quartz; feldspar; some opaques.
- 10-20 Sand — dark yellowish orange; slightly stained; slightly clayey-dark yellowish orange, very light gray (clasts); fine to coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.
- 20-30 Sand — dark yellowish orange; moderately stained; slightly clayey; medium to very coarse grained, 7% granules, some pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few opaques.
- 30-40 As above except some granules.
- 40-50 As above except few pebbles; moderately sorted.
- 50-60 Sand — dark yellowish orange; some heavily stained grains; slightly clayey; fine to medium grained, some coarse grains, 3% granules; subangular to subrounded; moderately sorted; quartz; feldspar; some opaques; few grains of glauconite; muscovite.
- 60-70 Clay — light olive gray; abundant sand; fine grained, some granules; subangular; well sorted; quartz; some muscovite; few grains of glauconite.
- 70-80 Clay — light olive gray; moderate sand; very fine to fine grained, 5% granules; subangular to subrounded; well sorted; quartz; some black phosphatic material; muscovite; few flakes of biotite; few bone fragments.
- 80-90 As above plus few grains of glauconite.
- 90-100 Clay — light olive gray; some quartz; few black phosphatic fragments; glauconite; muscovite (unwashed sample only).
- 100-110 Clay — light olive gray; slightly sandy; fine grained; subangular; well sorted; quartz; few black phosphatic fragments; few flakes of muscovite; biotite. (unwashed sample only).
- 110-120 As above plus few shell fragments (unwashed sample only).
- 120-130 As above (unwashed sample only).

Depth  
(feet)

- 130-140 As above except moderate sand; some medium grains (unwashed sample only).
- 140-150 Clay and sand — olive light gray; abundant clay-olive light gray, light olive gray; moderate sand; fine to medium grained, few granules; subangular to rounded; moderately well sorted; quartz; glauconite 30% of sand sized fraction; some muscovite; few grains of pyrite; few black phosphatic fragments; biotite (unwashed sample only).
- 150-160 Sand — olive gray; moderate clay; very fine to medium grained; subangular to rounded; moderately well sorted; quartz 50% glauconite; some muscovite; few shell fragments; few grains of feldspar. (unwashed sample only).
- 160-170 Sand — olive gray; moderate clay; very fine to fine grained, some iron-stained coarse grains; subangular; moderately well sorted; quartz; 10% glauconite; some muscovite; some shell fragments (unwashed sample only).
- 170-180 Sand — olive gray; moderate clay; fine to very coarse grained, some granules, some pebbles; subangular to rounded; poorly sorted;; quartz; 40% glauconite; 2% shell fragments; some muscovite; ostracode.
- 180-190 Sand — olive gray; moderate clay; fine to medium grained, some very coarse grains, few granules; subangular to rounded; moderately sorted; quartz; 25% glauconite; 10% shell fragments; few flakes of muscovite.
- 190-200 Sand — multicolored; coarse grained to granular, few pebbles; subrounded; moderately sorted; quartz; feldspar; 3% glauconite; 2% shell fragments; few grains of garnet; muscovite.
- 200-210 Sand — white; very coarse grained to granular, 7% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; 2% glauconite; some shell fragments.
- 210-220 Sand — off white; coarse to very coarse grained, 5% granules; subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite.
- 220-230 Sand — off white; coarse grained to granular, 5% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar.
- 230-240 Sand — off white; coarse to very coarse grained, 7% granules, few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; few shell fragments.