

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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

Attn: Mr. M. M. Cole

OWNER: City Service Oil Company Mailing Address: P. O. Box 4099, Richmond, VA 23224

TENANT: City Service Oil Company Mailing Address: P. O. Box 4999, Richmond, VA 23224
Rt. 1, Box 110

DRILLER: Mitchell's Well & Pump Company Mailing Address: Col. Heights, VA 23834

WELL LOCATION: County Chesterfield Approx. feet miles (direction) of
Vicinity Indian Hills Motel at Walthal Lodge exit
off Toll RD. # 95. 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: August 1969 DATE COMPLETED: August 69

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 132 1/2 feet

WATER LEVEL: Stands 42 feet below surface OR
has NATURAL flow of gallons per minute.

YIELD TEST: Method Pumped

Drawdown 40 feet

When pumped at Rate of 20 gal. per min.

Duration 4 hrs., 30 min.

WATER ZONES: from 125 to 132 ? feet

from to feet

from to feet

WATER: Color clear Taste good

Odor none Temp. °F

WELL TO SUPPLY: (check one) Home

Farm Town School

Industry Other service station

WATER ANALYSIS AVAILABLE: Yes No X

DRILL CUTTINGS SAVED: 13 Yes X 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:

HOLE SIZE: 8 inches from 0 to 26 feet

6 inches from 26 to 132 1/2 feet

 inches from to feet

SCREEN SIZE: inches from to feet

 inches from to feet

 inches from to feet

CASE SIZE: 4 1/4 inches from 0 to 125'5" feet

 inches from to feet

 inches from to feet

GROUTING: Method Pumped

Material Cement & water Depth 26 feet

PUMP: Type Submersible

Capacity 3/4 HP gal per min

Depth of intake 105 feet

LOG

FURNISHED BY: Mitchell's Well & Pump Company

DATE: 8/27/69

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 clay & mud	
10	20	Red mud and clay	
20	30	Red mud	
30	40	Green mud	
40	50	Black mud and sand	
50	60	Sand and gravel	
60	70	Sand and gravel	
70	80	Sand and gravel	
80	90	Sand and gravel	
90	100	Black sand	
100	110	Black and white sand	
110	120	White sand	
120	132 1/2	White sand	

(Use additional forms if necessary)

OWNER: Cities Service Oil Co.
DRILLER: Mitchell's W & P
COUNTY: Chesterfield

W#: 2667
C#: 190
TOTAL DEPTH: 132 1/2'
QUAD.: Chester

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand — dark yellowish orange; slightly clayey; fine to very coarse grained, 2% granules; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques; few grains of glauconite.
- 10-20 Clay — yellowish gray; abundant sand; fine to coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; muscovite.
- 20-30 Sand — pale yellowish orange; slightly clayey; medium to very coarse grained, some fine grains, some granules; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite.
- 30-40 Sand — dusky yellow green; moderate clay; fine to medium grained, some coarse grains, some granules, few pebbles; subangular to rounded; moderately sorted; quartz; 20% glauconite; few grains of feldspar.
- 40-50 Sand — olive light gray; moderate clay; fine to coarse grained, 15% granules, 10% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; 15% glauconite; muscovite; few grains of garnet.
- 50-60 Granules — off white; moderate coarse to very coarse grained sand, 70% granules, 5% pebbles; angular to subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite.
- 60-70 Sand — white; coarse grained to granular, few pebbles; angular to subrounded; moderately sorted; quartz; feldspar; some glauconite.
- 70-80 As above except slightly clayey.
- 80-90 As above except few grains of glauconite.
- 90-100 Sand — white; medium grained to granular, some pebbles; angular to subrounded; poorly sorted; quartz; feldspar; 7% glauconite; few grains of garnet.
- 100-110 As above.
- 110-120 Sand — white; medium to coarse grained, some granules; subangular to subrounded; moderately well sorted; quartz; feldspar; 2% glauconite; some muscovite; few grains of garnet.

Logged by: Michael T. Currie