

W#: 3680
C#: 152

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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: B.P. Oil Corporation Mailing Address: Bank Havens Street
Baltimore, MD. 21224

TENANT: B.P. Oil Corporation, Well #1 Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: P.O. Box 27186
Richmond VA 23261

WELL LOCATION: County Hanover Approx. 1000 ^{feet}/_{miles} East (direction) of _____
U.S. I-95 and 300 ^{feet}/_{miles} North (direction) of St. Rd 656

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

DATE STARTED: 8/7/72 DATE COMPLETED: 8/11/72

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 350 feet

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

YIELD TEST: Method None
Drawdown _____ feet
Rate _____ gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 11 inches from 0 to 71 feet
6 inches from 71 to 350 feet
_____ inches from _____ to _____ feet
SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER ZONES: from None to _____ feet
from _____ to _____ feet
from _____ to _____ feet

**
CASE SIZE: 6 inches from 0 to 71 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

GROUTING: Method _____
Material _____ Depth _____ feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry XX Other _____

PUMP: Type _____
Capacity _____ gal. per min
Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____
DRILL CUTTINGS SAVED: ³⁵ 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: *Materials removed - no water - Well back filled.

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: 8/21/72

| DEPTH (feet) | | TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.) | REMARKS (water, caving, shot, screen, sample, etc.) |
|-----------------|-----|--|--|
| FROM | TO | | |
| 0 | 20 | Sand, gravel and clay | |
| 20 | 50 | Blue, green clay | |
| 50 | 65 | Soft rock | |
| 65 | 120 | Gray granite | |
| 120 | 220 | Gray and red granite | |
| 220 | 250 | Red granite - quartz streaks | |
| 250 | 259 | Soft gray granite | |
| 259 | 350 | Red - gray granite | |

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

INTERVAL SHEET

Page 1 of 1

Well Repository No: W#: 3680

Date rec'd: 9/18/72 Date Processed: 3/10/75

C#: 152
 Sample Interval: from: 0 to: 350

PROPERTY: B.P. Oil Co.

Number of samples: 35

COMPANY: Sydnor Hydrodynamics

Total Depth: 350'

COUNTY: Hanover (Poindexters)

Oil or Gas: Water: Exploratory:

| From-To | From-To | From-To | From-To |
|----------|-----------|---------|---------|
| 0- 10 | 250 - 60 | - | - |
| 10- 20 | 260 - 70 | - | - |
| 20- 30 | 270 - 80 | - | - |
| 30- 40 | 280 - 90 | - | - |
| 40- 50 | 290 - 300 | - | - |
| 50- 60 | 300 - 10 | - | - |
| 60- 70 | 310 - 20 | - | - |
| 70- 80 | 320 - 30 | - | - |
| 80- 90 | 330 - 40 | - | - |
| 90- 100 | 340 - 50 | - | - |
| 100- 10 | - | - | - |
| 110- 20 | - | - | - |
| 120- 30 | - | - | - |
| 130- 40 | - | - | - |
| 140- 50 | - | - | - |
| 150- 60 | - | - | - |
| 160- 70 | - | - | - |
| 170- 80 | - | - | - |
| 180- 90 | - | - | - |
| 190- 200 | - | - | - |
| 200- 10 | - | - | - |
| 210- 20 | - | - | - |
| 220- 30 | - | - | - |
| 230- 40 | - | - | - |
| 240- 50 | - | - | - |

Unwashed only

OWNER: B.P. Oil Co. Well #1
DRILLER: Sydnor Hydrodynamics
COUNTY: Hanover

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TOTAL DEPTH: 350'
QUAD: Yellow Tavern

GEOLOGIC LOG

Depth
(feet)

- 0 - 10 Sand -- pale yellowish orange; abundant clay; fine to medium grained, 15% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.
- 10 - 20 Clay -- yellowish gray, light olive gray; slightly sandy; very fine to fine grained; subangular to subrounded; well sorted; quartz; diatom.
- 20 - 30 Sand and clay -- yellowish gray, pale yellowish orange; moderate clay; abundant sand; fine to medium grained, some coarse grains, 5% pebbles; subangular to subrounded; moderately sorted; quartz; some feldspar; few flakes of muscovite.
- 30 - 40 Clay -- yellowish gray; some quartz sand; few flakes of biotite; few black phosphatic fragments.
- 40 - 50 As above.
- 50 - 60 Granite (weathered) -- light olive gray; moderate clay; quartz; white potassic feldspar; 7% biotite; few flakes of muscovite.
- 60 - 80 No sample.
- 80 - 90 Granite (slightly weathered) -- light gray; quartz; white potassic feldspar; 20% biotite; few flakes of muscovite.
- 90 - 100 As above plus pink microcline.
- 100 - 110 As above plus few grains of pyrite.
- 110 - 120 Granite -- salt and pepper; quartz; white potassic feldspar; 35% biotite; pink microcline; few flakes of muscovite.
- 120 - 130 As above.
- 130 - 140 Granite -- salt and pepper; equigranular; quartz; white potassic feldspar; pink microcline; 15% biotite; some muscovite; few grains of pyrite; garnet.
- 140 - 150 As above except 25% biotite; no garnet.
- 150 - 160 As above.
- 160 - 170 As above except 30% biotite.

Depth
(feet)

- 170 - 180 Granite -- salt and pepper; quartz; white potassic feldspar; 20% biotite; pink microcline; few flakes of muscovite; pyrite; few grains of plagioclase.
- 180 - 190 Granite -- medium light gray; quartz; white potassic feldspar; 40% biotite; pink microcline; few flakes of muscovite.
- 190 - 200 Granite -- light gray; equigranular; quartz; white potassic feldspar; 35% biotite; pink microcline; some muscovite.
- 200 - 210 Granite (slightly weathered) -- light gray; slightly clayey; quartz; white potassic feldspar; 25% biotite; some pink microcline; few flakes of muscovite.
- 210 - 220 As above.
- 220 - 230 Granite -- salt and pepper; quartz; white potassic feldspar; 25% biotite; pink microcline.
- 230 - 250 No sample.
- 250 - 260 Granite -- moderate orange pink, black; pink microcline; quartz; 15% biotite; few flakes of muscovite.
- 260 - 270 Granite -- grayish orange pink; pink microcline; quartz; white potassic feldspar; 5% biotite; few flakes of muscovite; pyrite; plagioclase.
- 270 - 280 As above except 3% biotite.
- 280 - 290 As above except 2% muscovite; no pyrite; no plagioclase.
- 290 - 300 Granite -- very light gray, black, moderate orange pink; quartz; white potassic feldspar; 7% biotite; pink microcline; few flakes of muscovite.
- 300 - 310 Granite -- salt and pepper; quartz; white potassic feldspar; 20% biotite; pink microcline; few flakes of muscovite; pyrite.
- 310 - 320 As above.
- 320 - 330 As above except some muscovite.
- 330 - 340 As above except 15% biotite; no pyrite.
- 340 - 350 No sample.

NOTE: All samples are unwashed.

Logged by: Michael T. Currie
Jan. 29, 1979

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YELLOW TAVERN QUADRANGLE

ELEV. : 136'

Elev 2 136'