

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: Douglas and Dickinson, Inc.  
Totuskey subdivision, Bell Acres Mailing Address: Box 498, Warsaw, VA 22572

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

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

WELL LOCATION: County Richmond Approx. 3/10 ~~miles~~ <sup>feet</sup> North (direction) of  
Route 360 on Route 620 and 300 ~~miles~~ <sup>feet</sup> West (direction) of Route 620

(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: 6 Dec 1972

TYPE OF DRILL RIG USED: rotary TOTAL DEPTH 700 feet

WATER LEVEL: Stands 124 feet below surface OR

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Air/Test Pump  
Drawdown 36/36 feet  
Rate 40/40 gal. per min.  
Duration 3 hrs., \_\_\_\_\_ min. /48 hrs.

HOLE SIZE: 6 inches from 0 to 252 feet  
3-7/8 inches from 252 to 700 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 677 to 697 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
#2 2 inches from 677 to 697 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color clear Taste none  
Odor none Temp. \_\_\_\_\_ °F

CASE SIZE: 4 inches from 0 to 252 feet  
WEIGHT:  
Standard 2 inches from 252 to 677 feet  
Schedule 40  
Galvanized 2 inches from 697 to 700 feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other subdivision

GROUTING: Method \_\_\_\_\_  
Material \_\_\_\_\_ Depth \_\_\_\_\_ feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No XX

PUMP: Type submersible  
Capacity 15 gal per min  
Depth of intake 168 feet

DRILL CUTTINGS SAVED: <sup>(66)</sup>  
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: CONSTRUCTION: This is a Class II Well.

Drill cutting samples picked up by Division of Mineral Resources 2/20/73 RHD

# LOG

FURNISHED BY: Douglas Drilling Co., Inc.

DATE: 12/6/72

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	10	fine sand with some clay	
10	30	fine sand with clay binder	
30	50	fine sand with some clay	
50	70	fine sand with shell and some clay	
70	250	fine sand with clay binder	
250	560	fine sand with some clay	
560	660	fine sand with clay binder	
660	700	coarse sand - screens, water	
<p>DRILL CUTTING SAMPLES PICKED UP BY DIVISION OF MINERAL RESOURCES 2/20/73 RHD</p>			

(Use additional forms if necessary)

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

INTERVAL SHEET

Page 1 of 1  
 Date rec'd: 2-20-73 Date Processed: 9-28-73  
 PROPERTY: Totuskey Sub.  
 COMPANY: Douglas Drilling  
 COUNTY: Richmond (Warsaw)

C-74  
 Well Repository No.: W- 3809

Sample Interval: from 0 to: 700  
 Number of samples: 66'  
 Total Depth: 700'  
 Oil or Gas: Water:XX Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10*	318-328	636-646	-	-
10-21*	328-339	646-658	-	-
21-31*	339-349	658-668	-	-
31-42*	349-360	668-679	-	-
42-52*	360-371	679-689	-	-
52-63*	371-382	689-700	-	-
63-73*	382-392	-	-	-
73-84*	392-403	-	-	-
84-95*	403-413	-	-	-
95-106*	413-424	-	-	-
106-116*	424-434	-	-	-
116-127*	434-445	-	-	-
127-137*	445-455	-	-	-
137-148*	455-467	-	-	-
148-158*	467-477	-	-	-
158-169*	477-488	-	-	-
169-179*	488-498	-	-	-
179-191*	498-509	-	-	-
191-201*	509-519	-	-	-
201-212*	519-530	-	-	-
212-222*	530-540	-	-	-
222-233*	540-551	-	-	-
233-243*	551-562	-	-	-
243-254*	562-573	-	-	-
254-264*	573-583	-	-	-
264-275*	583-594	-	-	-
275-286	594-604	-	-	-
286-297	604-615	-	-	-
297-307	615-625	-	-	-
307-318	625-636	-	-	-

\*Washed and unwashed; rest have unwashed samples only.

Owner: Totuskey Sub.  
Driller: Douglas Drilling  
County: Richmond (Warsaw)

W# 3809  
C# 74  
Total Depth: 700'  
Quad: Haynesville  
Elev: 122'

Depth  
(feet)

WELL LOG

0-10 Sand - yellowish gray (5Y 8/1); medium to very coarse; sub-angular; moderate sorting; quartz; rose quartz; feldspar.

10-21 Sand - dark yellowish orange (10YR 6/6); sparse clay in sand clasts and on sand grains; fine to granule; subangular; poor sorting; quartz; glauconite.

21-31 Sand - grayish orange (10YR 7/4); moderate clay - as above; sand - as above.

31-42 Sand - as above, except: more grains of very coarse size; also stained yellow to red; other grains clear; 1% glauconite.

42-52 Sand - as above; more uniform sample.

52-63 Sand - salt and pepper; clay - light brown (5YR 6/6), in small clasts, also gray, and granular clay; sand as above, plus pebbles; 5% shell fragments; glauconite.

63-73 Sand, Clayey - light olive gray (5Y 6/1); layered clasts of clay, sand; fine to coarse; few granules; moderately well sorted; 5% shell fragments - gastropod - Acteocina canaliculata v; some dark green glauconite; phosphatic fragments.

73-84 Sand - moderate olive gray (5Y 5/1); fine and granular; 20% shell fragments, most of which are Mulina Congesta, also - Terebra Grayi, Nucula Proxima.

84-95 Sand - pale yellowish brown (10YR 6/2); some clay (gray) in small clasts; fine grained, well sorted sand; 10% shell fragments.

95-106 Sand - as above.

106-116 Sand, Clayey - as above, except: (10YR 7/2); abundant, layered clasts of clay; sand-medium to very coarse; some shell fragments; mica.

116-127 Sand, Clayey - as above.

127-137 Sand, Clayey - light olive gray (5Y 6/1); abundant clay in clasts; medium to coarse; subrounded; few granules; well sorted; quartz; 15% shell fragments.

137-148 Sand, Clayey - as above.

Depth  
(feet)

148-158 Sand, Clayey - as above, except: 10% shell fragments.

158-169 Sand, Clayey - as above, except: clay in large clasts with brown staining; 1% shell fragments.

169-179 Clay - yellowish gray (5Y 7/2); fine grained clay in small layered clasts; sparse sand; very fine; well sorted; quartz; few shell fragments.

179-191 Clay - as above.

191-201 Clay - as above, except: very fine "pellet" structure; sparse diatoms.

201-212 Clay - as above; forams - sparse.

212-222 Clay - as above; forams, Nonion, Robulus, Globigerina.

222-233 Clay - as above.

233-243 Clay - as above; forams - Bolivina.

243-254 Clay - as above.

254-264 Sand, Clayey - light olive gray (5Y 6/2); clay, moderate in clasts, pellets; very fine to coarse, some larger grains; 1% shell fragments; some phosphatic fragments; forams; diatoms.

264-275 Sand - as above, except: abundant clay, fine and granular; medium to coarse sand; 2% shell fragments.

275-286 Sand - light olive gray (5Y 6/1); medium to very coarse; sub-angular; moderate sorting; quartz; 15% fine shell fragments; bone fragments; **ostracods**.

286-297 Sand - as above, except: 30% glauconite, fine; forams - Pyrolina; mica.

297-307 Sand - salt and pepper; sparse clay; in fine pellet form; sand - as above; 40% glauconite; 10% + fine shell fragments; crystalline calcite on small fragments; garnet; pyrite nodules; iron.

307-318 Sand - as above.

318-328 Sand - as above, except: heavier coating of calcite; forams; ostracods.

Depth  
(feet)

- 328-339 Sand - as above, except: very sparse clay in small clasts; medium to coarse; 30% glauconite; some shell fragments, gastropod; foram; ostracods; coral; bryozoa.
- 339-349 Sand - as above: ostrea.
- 349-360 Sand - as above: worn forams.
- 360-371 Sand - olive black (5Y 2/1); as above, except: 90% glauconite; no shell fragments.
- 371-382 Sand - as above, except: 75% glauconite.
- 382-392 Sand - as at 360-371.
- 392-403 Sand - greenish black (5G 2/1); 95% glauconite.
- 403-413 Sand - olive black (5Y 2/1); as above except: sparse clay clasts.
- 413-424 Sand - as above.
- 424-434 Sand - as above.
- 434-445 Sand - greenish black (5G 2/1); as above, except: very sparse clay.
- 445-455 Sand - as above, except: dark salt and pepper; sand is coarse-grained; clear and yellow (iron-stained); 75% glauconite, brown and green.
- 455-467 Sand - as above.
- 467-477 Sand - as above, except: moderate clay clasts.
- 477-488 Sand - as above, except: very sparse quartz sand.
- 488-498 Sand - as above, except: moderate clay clasts.
- 498-509 Sand - as above, except: 50% glauconite.
- 509-519 Sand - as above.
- 519-530 Sand - as above: clast of clay.
- 530-540 Sand - as above, except: 75% glauconite; sparse clay; iron; foram - Nodosaria.

Owner: Totuskey Sub.

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W# 3809

C# 74

Depth  
(feet)

540-551 Sand - as above, except: forams - Robulus, Dentalina; ostracod.

551-562 Sand - as above; very sparse clay; Nodosaria.

562-573 Sand - as above, except: moderate clay clasts; 60% + glauconite.

573-583 Clay - grayish orange pink (5YR 7/2) and light brown (5YR 6/4) - tan and pinkish clasts of clay; iron staining; medium to very coarse; poor sorting; quartz; 15% glauconite; mica; forams - Nodosaria.

583-594 Clay, Sandy - as above, except: abundant sand.

594-604 Clay, Sandy - as above.

604-615 Clay, Sandy - as above.

615-625 Clay - pale yellowish brown (10YR 6/2); small compressed clasts of tan and gray clay; sparse sand as above with 10% glauconite; mica.

625-636 Clay - as above; pink and yellow staining.

636-646 Clay - as above.

646-658 Clay - as above.

658-668 Sand - pale yellowish brown (10YR 6/2); medium to granule; subangular; frosted; moderate sorting; quartz; some glauconite.

668-679 Sand - as above, except: very sparse clay in sand clasts; feldspar.

679-689 Sand - as above, except: sparse clay; garnet; 10% glauconite.

689-700 Sand - as above, except: clay various colors - gray, pink, tan, yellow; sand medium to very coarse; 10% glauconite.

Logged by: J. K. Polzin  
July 8, 1980