## W-3807 C-154

## COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS: McCormick Road

Box 3667

Olottesville, VA 22903 WATER WELL COMPLETION REPORT Charlottesville, Virginia

OWNER: Douglas and Dickinson, Incorporated	Box 498 Mailing Address: Warsaw, Virginia	22572
TENANT: _Wicomico Ridge Subdivision	Mailing Address:	
valo has levery amos diew bessel	100 Fine and coarse	, mondage 0
DRILLER: Douglas and Dickinson, Incorporated (Douglas Drilling Company, Inc.)	Mailing Address: Same as above	100 approx.
WELL LOCATION: County Northumberland of Forte	Approx. 5/10 miles north	(direction) of
Route 360 on Route 646	feet  we have east on (direction) of	Route 646
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO COUNTY HIGHWAY OR OTHER MAP.)		
	DATE COMPLETED: November 7	
ision of Mineral Resources 02/20/73. (RMD)  Type OF DRILL RIG USED: rotary		
WATER LEVEL: Stands 88 feet below	surface <u>OR</u>	
has <u>NATURAL</u> flow of	gallons per minute.	
YIELD TEST: Methodair/test pump	HOLE SIZE: 6 inches from _	0 to 252 feet
Drawdown 37/37 feet	3 7/8 inches from _	252 to 723 feet
Rate40/40 gal. per min.	inches from _	tofeet
Duration 3 hrs., min. /72 hrs.	SCREEN SIZE:inches from_	tofeet
WATER ZONES: from 695 to 715 feet	#2	695 to 715 feet
fromtofeet	inches from _	tofeet
fromfeet	CASE SIZE: 4 inches from.	0 to 252 feet
WATER: Color	WEIGHT: 2_inches from_ Standard	252 to 695 feet
Odororof	Schedule 40 2 inches from_	715 to 723 feet
WELL TO SUPPLY: (check one) Home	Galvanized GROUTING: Method	
Farm Town School	Material De	
		;prnreer
IndustryOther_subdivision	PUMP: Type submersible	
WATER ANALYSIS AVAILABLE: YesNoX	Capacity30	
DRILL CUTTINGS SAVED: Yes X 68 No	Depth of intake	
(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT IN OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHE		
MARKS: Construction: This is a Class II W	ell.	
Drill cutting samples picked up by	Division of Mineral Resources C	)2/20/73. (RHD)

ONOMIC DEVELOPMENT C-150 FURNISHED BY: Douglas Drilling Company, Inc. DATE: November 7, 1972

DEPTH (feet)		TYPE OF ROCK OR SOIL PENE	REMARKS		
ROM	T.O	( gravel, clay, etc., hardness, colo	(water, caving, shot, screen, sample, etc.		
0 100 390 420 440 700	approx. approx. approx. approx. approx.	390 Fine sand with 420 Fine sand with	sand with some clay binder shell and clay hand shell and so clay binder	ENANT Wicomico Ridge Subdivision years e gravel and clay years on a constant of the constant o	
40 - 53	a "zmavini".		Wit Hood 1914		
	7, 1972				
1	Drill cu	tting samples picked up by Div	ision of Miner	al Resources 02/20/73. (RHD)	
7.02	0			ELO TEST Menny air/test pump	
123	252	3.7/8	1997	D ov. Jown 37/37	
WI .			01.25	40/40 351 751	
· 1			,,, /72 hrs.	Durotus 3 by L	
-1_21	201	#2 2 uscuen trace	715 (6.5)		
1			1993		
52	0 , 2	CASE SIZE A makes from	teat.		
29	252		none	TER Color clear Forth	
23 14		Standard Schedule 40 2 parment to the Calvanized			
10.7					
		PUMP TO Submersible	nolal	vibdua	
100			3 a H		
o (	147				
men y			- 7009 01 76		
				Construction: This i	
(HHD)	02/20/73.	Division of Mineral Resources (	gicked up by I	Drill cutting samples	
			~		
		(Use additional form			

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

## INTERVAL SHEET

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C-154
Well Repository No.: W-3807

Date rec'd: 02/20/73 Date Processed: 09/20/73

Sample Interval: from 0 to: 723

PROPERTY: Douglas and Dickinson, Incorporated

Number of samples: 68

(Wicomico Ridge Subdivision)

Total Depth: 723'

COMPANY: Douglas and Dickinson, Incorporated (Douglas Drilling Company, Inc.)

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COUNTY: Northumberland (Burgess)

Oil or Gas: Water: x Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	19- 29	38 48	_	_ *
10-21	29- 40	48- 59	<u> </u>	-
21-31	40- 50	59- 70	-	-
31-42	50-61	70-81	-	-
42-52	61 <del>-</del> 72	81-91	-	-
52-63	72-83	91- 702		_
63-74	83-93	702-12	-	=
74-85	93-404	12-23	<del>-</del>	-
85 <b>–</b> 95	404-14	_		-
95-106	14-25	-	All intervals have h	
106-16	25-35	_	and unwashed samples	š <u> </u>
16-27	35 <b>-</b> 47	<u>_</u>	_	-
27-37	47-57	_	_	_
37-49	57 <b>-</b> 68	_	_	_
49-59	68 <b>-</b> 78	-	-	-
59-70	78 <b>-</b> 89	-	-	=
70-80	89-99	-	<del>-</del> ,	-
80-91	99-510	-	-	1-1
91-201	510-21	-	-	-
201-12	21-32	<del>-</del>	-	-
12-23	32-42		_	-
23-34	42-53	-	_	_
34-44	53 <b>-</b> 63		_	
44-55	63 <b>-</b> 74	<del></del>		_
55-65	74 <b>-</b> 84	- <del> </del>		_
33=03	/4=04	-	-	-
65-76	84-96	-	_	-
76-86	96 <b>–</b> 606	-	· -	-
86-98	606-17	<del>=</del>	-	-
98-308	17 <b>-</b> 27	<del>=</del>		-
308-19	27 <b>-</b> 38	-	-	-
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_	-	-	_	_
-	-	, <del>-</del>	<del>-</del>	-
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-	_	-	7	-

Owner: Wilcomico Ridge Subdiv.
Driller: Douglas Drilling
County: Northumberland

W# 3807

C# 154
Total Depth - 723'
Quad - Burgess
Elev - 82'

Depth (feet)			Well Log
0-10	Sand	1	Dark yellowish orange (10YR 6/6); medium to very coarse, subangular, moderate sorting; 1% glauconite.
10-31	Sand	1	Dark yellowish orange (10YR 6/6); very sparse clay; medium to very coarse with some pebbles and large granules, subangular, poorly sorted; rare phosphatic/fragments glauconite; garnet.
31-63	Sand		Dark yellowish orange (10YR 6/6); medium to granule, subangular, moderate sorting; rare phosphate/glauconite fragments; iron oxide fragment.
63-85	Sand		Dark grayish orange (10YR 6/4); medium to very coarse, subangular, well sorted; few agate fragments.
85-96	Gravel		Mixed; sparse clay in pellets; very fine to pebble, subangular to subrounded, poorly iron sorted oxide fragments.
95-106	Grave1		Pale yellow brown (10YR 6/2); abundant clay; very fine to pebble, subangular to subrounded, poorly sorted; iron oxide fragments.
10€-127	Clay		Pale yellow brown (10YR 6/2); abundant sand, very fine to very coarse, subangular, poorly sorted diatoms; feldspar; 3% mica-muscovite and
127-149	Clay		Light olive gray (5Y 5/2); abundant sand very fine to very coarse and pebble, subangular; diatoms; very rare shell fragments; limonite clasts; mica.
149-159	Gravel		Light olive gray (5Y 5/2); very sparse clay; fine to granule with some pebbles, subangular and rounded, poorly sorted; very rare shell fragments; iron oxide fragments; mica.
159-170	Sand		Light olive gray (5Y 5/2); sparse clay; fine to granule with pebble, subangular and rounded, poorly sorted; very rare shell fragments; iron oxide fragments; mica.
170-201	Clay		Light olive gray (5Y 6/1); moderate sand fine to granule with pebbles, subangular, poorly sorted; few shell fragments; mica.
201-212	Clay		Light olive gray (5Y 6/1); abundent sand fine to granules, subangular poorly sorted; mica.

-2-

				La.
Depth (feet)				
212-298	Clay	coarse, subangula rare to 1% glauco nodules at 255-27	(5Y 5/2); abundent sand r and angular, poorly s nite; phosphate fragmen 5'; very rare to 5% she 298' - forams, - Uvigen	sorted; very nts and ell fragments
298-383	Clay	subangular, poorl at 372-382'; echi	(5Y 5/2); sparse fine y sorted; diatoms, abun noderm spines at 329-33 ularia, Robulus; moderate telepris.	ndint dome 50' and 372-
383-425	Sand	moderate clay in	(5Y 5/2); abundent clay clasts in L.O.G. (5Y 6, r, poorly sorted; 1% pl 393's,3% rimagments-5% at 393-414-425'.	/1); fine to
425-447	Sand	Light olive gray coarse, subangula 3% shell fragment	(5Y 5/2); sparse clay; r, poorly sorted; 3% pos; forams.	fine to hosphate fragments;
447-457	Sand	fine to granule,	1); 50% glauconite; mos subangular, poorly sor derm spines; forams-Ci	ted; 3% shell
457-478	Sand, Glau	glauconite; moder angular, very poo	live brown (5Y 4/4); 6 ate clay; fine to gran rly sorted; glauconite 10% shell fragments; e aCo3 powder.	ule, sub- is olive, brown
478-499	Sand, Glau	to granule, subar sparse CA CO <sub>3</sub> pov	re gray; (5Y 5/2); spar gular to subrounded),p der; 40% glauconite; a 10% shell fragments; fo with glauconite.	oorly sorted; t 478-489' and
499-510	Sand, Glau	sparse clay (ligh angular to subro	re gray (5Y 5/2); 50% got brown clasts); fine tonded, poorly sorted; cte; 3% shell fragments	o granule, sub- lasts of 🖾 colcium
510-532	Sand, Glau	and clay; fine t	(5Y 3/2); 80% glauconi g granule with some pet ded, poorly sorted; 3%	bles, sub-

Depth (feet)

- Sand, Glauconitic-Olive black (5Y 2/1); 90% glauconitic-green, medium grained; sparse clay; sparse coquina fragments; fine to granule, subangular, few grains of sand; forams.
- Sand, Glauconite-Dark greenish gray (5GY 4/1); 90+% glauconite; sparse clay; fine to very coarse, subangular to subrounded, poorly sorted; very rare shell fragments; forams— Robulus; quartz crystal.
- Sand, Glauconitic-Greenish black (5GY 2/1); 95+% glauconite; moderate clay; moderate depositonal CaCo3/glauconite; very sparse sand—fine to very coarse with some pebbles, subangular to rounded, poorly sorted; very rare shell fragments; forams Nodosaria.
- 596-617 Clay, Glauconitic-Light and dark gray; 60% glauconite; moderate sandy-fine to very coarse with some granules, subangular to rounded, poorly sorted; very rare shell fragments; forams Nodosaria.
- Sand, Glauconitic-Light and dark gray; 80% glauconiti; sparse clay/CaCo<sub>3</sub> clasts; fine to very coarse with some granules, subrounded to rounded, poorly sorted; very rare shell fragments; forams.
- 627-638 Clay, Glauconitic-Light and dark gray; 60% glauconite; moderate sands-fine to very coarse with some granules, rounded to subangular, poorly sorted; very rare shell fragments; forams.
- Sand, Glauconitic-Light and dark gray; 80% glauconite; very sparse to moderate clay with some CaCo<sub>3</sub> at 638-648'; fine to very coarse with some granules, subangular to rounded, poorly sorted; 30% shell fragments at 648-659'.
- Sand, Glauconite-Light and dark gray; 60% glauconite; moderate clay/depositional CaCo<sub>3</sub>; fine to very coarse with some granules, subangular to rounded, poorly sorted; 30% shell fragments.
- Sand, Glauconitic-Light and dark gray; 60% glauconite; abundant clay; fine to very coarse with some graunles, subangular to rounded, poorly sorted; 10% shell fragments.

Owner: Wilcomico Ridge Subdiv. -4- W# 3807 C# 154

Depth (feet) 681-691 Sand, Glauconitic-Light and dark gray; 50% glauconite; moderate assorted colored clay clasts; fine to granule, angular to subangular, poorly sorted; forams Nodosaria; garnet. 691-702 Sand Light and dark gray; sparse clay; fine to granule, angular to subangular, poorly sorted; 20% glauconite foram-Marginulina; garnet. 702-723 Sand Light olive gray (4Y 6/1); sparse clay at 712-733'; fine to granule, angular to subangular, moderate sorting; 3%-15% glauconite; garnet.

> Logged by: J. K. Polzin Aug. 25/26, 1980