

COMMONWEALTH OF VIRGINIA
 DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT
 DIVISION OF MINERAL RESOURCES

Box 3667, University Station, Charlottesville, Virginia

59
 W-501

WATER WELL COMPLETION REPORT

OWNER: C.W. Barger and Son (Relined) Mailing Address: Lexington, Virginia
 TENANT: _____ Mailing Address: _____
 DRILLER: (Rig 65) Sydnor pump & well Co Inc Mailing Address: Richmond, Va.
 WELL LOCATION: County Rochbridge Approx. _____ ft. miles
 (direction) of _____ and _____ ft. miles of _____

(Give direction and distance in feet or tenths of mile from two reference points - roads, towns, rivers, etc. - on county highway or other map)

WATER CONDITIONS

DEPTH
 STATIC WATER LEVEL 17'
 WATER ZONES (fissures or formations supplying water)
 (from) (to) (from) (to)
25 ft. 27 ft. 70 ft. 77 ft.
43 ft. 50 ft. _____ ft. _____ ft.

Lincoln Property is about 1 mile west of Collierstown in Rochbridge County, Va.

QUANTITY OF WATER

WELL PUMPED (or bailed) at 20 Gal. per Min. with 40 feet DRAWDOWN after 5 HOURS PUMPING.
 FLOW (natural) _____ G.P.M. HEAD _____ ft. (above ground)
 REMARKS: _____

QUALITY OF WATER

COLOR Light Muddy TASTE OK
 ODOR No OTHER _____
 ANALYSIS: AVAILABLE - Yes No ATTACHED Yes No
 TEMPERATURE _____
 WATER (from) _____ ft. (to) _____ ft.
 (salt, brackish, iron, sulfur, acid, other)

USE OF WATER: Domestic Town Industry Farm Public

CONSTRUCTION

RIG TYPE (or method) Air Rotary
 (rotary, cable, bored, driven, etc.)
 DATE: Started 8-31-60; Completed 9-1-60
 TOTAL DEPTH 171' ft.
 BEDROCK at 16' ft.

HOLE SIZE			CASING SIZE		
(diam.)	(from)	(to)	(diam.)	(from)	(to)
9	0	53	5	0	54
5	53	171			

SCREEN (or perforations)
 (diam.) (from) (to) (opening size)
 _____ in. _____ ft. _____ ft. _____

GROUTING INFORMATION

METHOD USED Gravity
 GROUTING MATERIAL Cement & Water
 DEPTH OF GROUTING 35

PUMP (installed)

TYPE _____ Cap. (gpm) _____
 H.P. _____ Depth of intake _____ ft.

REMARKS: Water will clear with pumping - suggested pump setting 60' - well should be pumped at 15 G.P.M. until clear. Suggest permanent pump be set to pump at 10-12 G.P.M.

Sydnor pump & well Co. Inc.
 By Gene Snyder
 Hobbs & Morgan - Consulting Engs. Lexington, Va.
 Division of Min. Resources, Charlottesville, Va.
 - copy - C.W. Barger & Son, Mr. Beebe - Lexington, Va.
 Sydnor Co. - Ed Hockman
 Rochbridge County Health Dept. - Mr. C.O. Weigand

Log of well (over)

FURNISHED BY Sydnor Pump & Well Co Inc DATE: 9-1-60

From Driller's Stocher Mitchell Logs - By Jene Snyder

DEPTH (feet)		TYPE OF SOIL OR ROCK PENETRATED (gravel, clay, etc., hardness, color, etc)	REMARKS (water, caving, shot, screen, sample, etc)
FROM	TO		
0	8	Boulders sand clay	
8	16	yellow clay	
16	25	Hard Gray limestone	
25	27	Broken cracked limestone	{ 4-5 gpm water
27	43	Hard Gray limestone	
43	50	soft yellow lime (weathered zone)	10-15 gpm estimated
50	171	Gray limestone -	(2 gpm - 70'-71')

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WWCR 57
VDMR 501

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 (direction) of _____ and _____ ft. _____ miles of _____
(Give direction and distance in feet or tenths of mile from two reference points - roads, towns, rivers, etc. - on county highway or other map.)

WATER CONDITIONS

DEPTH

STATIC WATER LEVEL _____ 17'

WATER ZONES (fissures or formations supplying water)

25 (from) _____ 27 (to) _____, 70 (from) _____ 71 (to) _____
43 ft. _____ 50 ft. _____

QUANTITY OF WATER

WELL PUMPED (or bailed) at 20 Gal. per Min. with
40 feet **DRAWDOWN** after 5 HOURS PUMPING.

FLOW (natural) _____ G.P.M. HEAD _____ ft. (above ground) **W**

REMARKS: _____

QUALITY OF WATER

COLOR Light muddy TASTE o. k.

ODOR no OTHER _____

ANALYSIS: AVAILABLE - Yes No ATTACHED Yes No

TEMPERATURE _____

_____ WATER (from) _____ ft. (to) _____ ft.
(salt, brackish, iron, sulfur, acid, other)

USE OF WATER: Domestic Town Industry Farm Public

CONSTRUCTION

RIG TYPE (or method) Air Rotary
(rotary, cable, bored, driven, etc.)

DATE: Started 8-31-60; Completed 9-1-60

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GROUTING MATERIAL Cement & Water

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N

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HOLE SIZE

(diam)	(from)	(to)	(diam)	(from)	(to)
9 in.	0 ft.	53 ft.	5 in.	0 ft.	54 ft.
5 in.	53 ft.	171 ft.			

CASING SIZE

SCREEN (or perforations)

(diam) (from) (to) (opening size)

_____ in. _____ ft. _____ ft.

PUMP (Installed)

TYPE _____ Cap. (gpm) _____

H.P. _____ Depth of intake _____ ft.

Sydnor Pump & Well Co., Inc.
By Jesse Snyder, Jr.

Dobys & Morgan - Consulting Eng's. Lexington, Va.
Div. of Min. Resources, Charlottesville, Va.

copy- C. W. Barger & Son, Mr. Beebe, Lexington, Va.

Sydnor Co. - Ed Hockman

Rockbridge County Health Dept., Mr. C. O. Weigand

Log of well (over)

LOG

FURNISHED BY Sydnor Pump & Well Co., Inc.

DATE: 9-1-60

Firm Driller's (Stockner logs - By Jesse Snyder, Jr.
Mitchell

DEPTH (feet)		TYPE OF SOIL OR ROCK PENETRATED (gravel, clay, etc., hardness, color, etc)	REMARKS (water, caving, shot, screen, sample, etc)
FROM	TO		
0	8	Boulders sand clay	
8	16	Yellow clay	
16	25	Hard gray limestone	
25	27	Broken cracked limestone (4-5 GPM water)	
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50	171	Gray limestone - (2 GPM- 70'-71')	