



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

Box 3667, University Station, Charlottesville, Virginia

290  
W-485

WATER WELL COMPLETION REPORT

OWNER: Bar B. Q. Ranch Mailing Address: Rt. 3, Harrisonburg, Virginia  
 TENANT: Jean H Taylor Mailing Address: \_\_\_\_\_  
 DRILLER: Sydnor Pump & Well Co Inc Mailing Address: Richmond, 12, Virginia  
 WELL LOCATION: County Rockingham Approx. \_\_\_\_\_ 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 49'  
 WATER ZONES (fissures or formations supplying water)  
 (from) (to) (from) (to)  
 \_\_\_\_\_ ft. \_\_\_\_\_ ft. \_\_\_\_\_ ft. \_\_\_\_\_ ft.

QUANTITY OF WATER

WELL PUMPED (or bailed) at 15 Gal. per Min. with  
260 feet DRAWDOWN after 14 HOURS PUMPING.  
 FLOW (natural) \_\_\_\_\_ G.P.M. HEAD \_\_\_\_\_ ft. (above ground) W

REMARKS: Air lift Test pumping and  
Development

QUALITY OF WATER

COLOR Golden muddy TASTE OK  
 ODOR None 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

N  
 Bar B. Q. Ranch property  
 about 2 miles North of Harrisonburg, Va. on U.S. Hwy No 11  
 E  
 will clear by pumping with customer's pump.  
 S

CONSTRUCTION

RIG TYPE (or method) Air Rotary  
 (rotary, cable, bored, driven, etc.)  
 DATE: Started 4-10-61; Completed 4-13-61  
 TOTAL DEPTH 281 ft.  
 BEDROCK at 12 ft.

HOLE SIZE			CASING SIZE		
(diam) in.	(from) ft.	(to) ft.	(diam) in.	(from) ft.	(to) ft.
<u>8 3/4</u>	<u>0</u>	<u>52'</u>	<u>5</u>	<u>0</u>	<u>53'-9"</u>
<u>5 1/4</u>	<u>52</u>	<u>261'</u>			

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

GROUTING INFORMATION

METHOD USED Gravity  
 GROUTING MATERIAL Cement & water  
 DEPTH OF GROUTING 52'

PUMP (Installed)  
 TYPE \_\_\_\_\_ Cap. (gpm) \_\_\_\_\_  
 H.P. \_\_\_\_\_ Depth of intake \_\_\_\_\_ ft.

REMARKS:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Log of well (over)

Log and Samples saved for Division of Mineral Resources

LOG

Rig 65 FURNISHED BY *Sydney Pump & Well Co Inc*

DATE: 4-14-61

From Driller Mitchell's Notes By *Jesse Snyder Jr*

DEPTH (feet)		TYPE OF SOIL OR ROCK PENETRATED (gravel, clay, etc., hardness, color, etc)	REMARKS (water, caving, shot, screen, sample, etc)
FROM	TO		
0	1	Top Soil	
1	5	yellow clay	
5	12	Red clay	
12	18	Gray Limestone	
18	22	Red clay	
22	28	Gray Limestone	
28	31	Red clay	
31	32	Gray Limestone	
32	46	Red clay	
46	52	gray limestone	
52	65	gray limestone	
65	70	Weathered limestone -	
70	102	Gray limestone	
102	104	Broken weathered limestone -	Trace moisture
104	107	Broken gray limestone	
107	112	Gray limestone	
112	114	Brown limestone	
114	115	Gray limestone	
115	119	Tan limestone soft	
119	130	Gray limestone	
130	133	Broken gray limestone - water - mud -	10 G.P.M. after 5 hrs air lifting this flow dropped to 3 G.P.M. Drilled deeper -
133	168	Gray limestone with weathering	
168	258	Weathered Broken soft limestone thin bedding	
258	261	Weathered area - small cave -	mud water 15-20 G.P.M. Lots of mud. Air Developed 24 hours This well will clear by pumping
261	281	Broken limestone - thin bedding	

VIRGINIA DIVISION OF  
**RECEIVED**  
 APR 19 1961  
**RECEIVED**  
 MINERAL RESOURCES

104' - 1/2 G.P.M.  
 133' - 10 G.P.M. - (Dropped to 3 G.P.M. after 5 hrs)  
 261' - 15-20 G.P.M. - suggest pump setting at about 225' to 230'

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Box 3667, University Station, Charlottesville, Virginia

WWCR 290  
VDMR 495

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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 49'

WATER ZONES (fissures or formations supplying water)

(from) \_\_\_\_\_ (to) \_\_\_\_\_ (from) \_\_\_\_\_ (to) \_\_\_\_\_  
 ft. \_\_\_\_\_ ft. \_\_\_\_\_  
 ft. \_\_\_\_\_ ft. \_\_\_\_\_

**QUANTITY OF WATER**

WELL PUMPED (or bailed) at 15 Gal. per Min. with  
260 feet **DRAWDOWN** after 14 HOURS PUMPING.

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

REMARKS: Air lift Test pumping and development

**QUALITY OF WATER**

COLOR golden muddy TASTE O. K.

ODOR none 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

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 (rotary, cable, bored, driven, etc.)

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DEPTH OF GROUTING 52'

REMARKS: \_\_\_\_\_  
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**N**

Bar B. Q. Ranch property about 2 miles  
 North of Harrisonburg, Va. on U. S.  
 Hwy No. 11.

**E**

Will clear by pumping with customers pump.

**S**

**HOLE SIZE**

(diam) (from) (to)  
8 3/4 in 0 ft 52' ft  
5 " 52 " 261'

**CASING SIZE**

(diam) (from) (to)  
5 in 0 ft 53' 9"

**SCREEN (or perforations)**

(diam) (from) (to) (opening size)  
 \_\_\_\_\_ in \_\_\_\_\_ ft \_\_\_\_\_ ft

**PUMP (installed)**

TYPE \_\_\_\_\_ Cap. (gpm) \_\_\_\_\_

H.P. \_\_\_\_\_ Depth of intake \_\_\_\_\_ ft.

Log and samples saved for Division of Mineral Resources Log of well (over)



LOG

FURNISHED BY Sydnor Pump & Well Co., Inc.

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Rig 65- From Driller Mitchell's Notes by Jesse Snyder, Jr.

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18	22	Red clay	
22	28	Gray limestone	
28	31	Red clay	
31	32	Gray limestone	
32	40	Red clay	
40	52	Gray limestone	
52	65	Gray limestone	
65	70	Weathered limestone	
70	102	Gray limestone	
102	104	Broken weathered limestone - Trace moisture	
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112	114	Brown limestone	
114	115	Gray limestone	
115	119	Tan limestone soft	
119	130	Gray limestone	
130	133	Broken gray limestone - water-mud (10 GPM	after 5 hrs. air lifting this flow dropped to 3 GPM; Drilled deeper.
133	168	Gray, limestone with weathering	
168	258	Weathered broken soft limestone thin bedding	
258	261	Weathered area-small cave - mud water 15-20 gpm.	Lots of mud. Air developed 14 hours. This well will clear by pumping.
261	281	Broken limestone - thin bedding	
		104'- 1/2 GPM	
		133'- 10 GPM -(dropped to 3 GPM after 5 hrs)	
		261-15-20 GPM- suggest pump setting at about 225' to 230'	