

INTERVAL SHEET

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VDMR Well No.: 581

Date 10/25/61

Sample Interval: from 0 to 305

PROP: Highland Con. Co.
Loch Lomand Sub. #2

Total depth 305

COMP: Leazer Pump & Well

Oil _____ Gas _____ Water X Exploratory _____

COUNTY: Prince William

Cuttings X Core _____ Other _____

From-To	From-To	From-To	WASHED SAMPLES From-To	From-To
-	0-10	-	0-10	-
-	10-20	-	10-20	-
-	20-30	-	20-30	-
-	30-40	-	30-40	-
-	40-50	-	40-50	-
-	50-60	-	50-60	-
-	60-70	-	60-70	-
-	70-80	-	70-80	-
-	80-90	-	80-90	-
-	90- <u>100</u>	-	90- <u>100</u>	-
-	100-110	-	100-110	-
-	110-120	-	Missing	-
-	120-130	-	120-130	-
-	130-140	-	130-140	-
-	140-150	-	140-150	-
-	150-160	-	150-160	-
-	160-170	-	160-170	-
-	170-180	-	Missing	-
-	180-190	-	180-190	-
-	190- <u>200</u>	-	190- <u>200</u>	-
-	200-210	-	200-210	-
-	210-220	-	210-220	-
-	220-230	-	220-230	-
-	230-240	-	230-240	-
-	240-250	-	240-250	-
-	250-260	-	250-260	-
-	260-270	-	Missing	-
-	270-280	-	270-280	-
-	280-290	-	280-290	-
-	290-305	-	290-305	-

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

WWCR 293
 VDMR 581

Box 3667, University Station, Charlottesville, Virginia

Well #2

WATER WELL COMPLETION REPORT Manassas Park

#2

OWNER: Highland Construction Co. Lock Lomand Mailing Address: 501 Maurice Drive, Woodbridge, Va.

TENANT: Mailing Address:

DRILLER: Leazer Pump & Well Co. Mailing Address: P. O. Box 385, Remington, Va.

WELL LOCATION: County Prince William Approx. 300 ft. X miles
 due north (direction) of Westerly terminus-Rugby Road 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 40 feet below surface

WATER ZONES (fissures or formations supplying water)

120 (from) ft. 150 (to) ft., 255 (from) ft. 275 (to) ft.
 ?wbf 195 ft. 200 ft., _____ ft.

QUANTITY OF WATER

WELL PUMPED (or bailed) at 420 Gal. per Min. with 103 feet DRAWDOWN after 24 HOURS PUMPING.

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

REMARKS: (See (1) below)

QUALITY OF WATER

COLOR clear TASTE none

ODOR none OTHER _____

ANALYSIS: AVAILABLE - Yes No ATTACHED Yes No

TEMPERATURE 59°F (see (2) below)
 none WATER (from) _____ ft. (to) _____ ft.
 (salt, brackish, iron, sulfur, acid, other)

USE OF WATER: Domestic Town Industry Farm Public

CONSTRUCTION

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

DATE: Started 9/5/61; Completed 9/12/61

TOTAL DEPTH 305 ft.

BEDROCK at 12 ft.

GROUTING INFORMATION

METHOD USED _____

GROUTING MATERIAL cement gravel

DEPTH OF GROUTING 51 ft.

HOLE SIZE

14 (diam) 3/4 (from) 50 (to) ft. 8 (diam) 0 (from) 5 (to) ft.
 8 _____ 50 _____ 305 _____

CASING SIZE

SCREEN (or perforations)

(diam.) (from) (to) (opening size)
 _____ in _____ ft. _____ ft. _____

PUMP (installed)

TYPE _____ Cap. (gpm) _____

H.P. _____ Depth of intake _____ ft.

REMARKS: (1) The well was pumped by air lift from the rotary drilling rig - Assuming 50% submergence, the draw down would be 103 ft., at 60% submergence the draw down would be 74 ft. Pump log enclosed.

(2) Believe the temperature to be high due to heat transfer from pumping air.

Analysis by C. W. England labs on file

LOG

FURNISHED BY Leazer Pump & Well Company

DATE: Sept. 12, 1961

DEPTH (feet)		TYPE OF SOIL OR ROCK PENETRATED (gravel, clay, etc., hardness, color, etc)	REMARKS (water, caving, shot, screen, sample, etc)		
FROM	TO				
0	12	Yellow clay			
12	50	Red slate and sand stone		No water	
50	305	Red slate - sand stone with mixed layers of rock			
(bagged samples at 10 ft. intervals most water coming in between 195 ft.- 200 ft. depths)					
Log of well test - well #2 Pumped by Leazer with air rotary rig					
<u>Date</u>	<u>Time</u>	<u>Gallons</u>	<u>Delivery Time (sec.)</u>	<u>GPM</u>	<u>Suction Depth</u>
9/11/61	1:30 P.m.	55	7	471	285'
	2:00	55	7	471	285'
	2:30	55	7	471	285'
	3:00	55	7	471	285'
	4:00	55	8	412	285'
	5:00	55	8	412	285'
	6:00	55	7	471	285'
	7:00	55	7	471	285'
	8:00	55	7	471	285'
	9:00	55	7	471	285'
	10:00	55	8	412	285'
9/12/61	11:00	55	7	471	285'
	12:00M.N.	55	7	471	285'
	1:00 A.M.	55	7	471	285'
	2:00	55	7	471	285'
	3:00	55	7	471	285'
	4:00	55	7	471	285'
	5:00	55	7	471	285'
	6:00	55	7	471	285'
	7:00	55	7	471	285'
	8:00	55	7	471	285'
	9:00	55	8	412	285'
10:00	55	8	412	285'	
10:30	55	8	412	200'	
11:30	55	8	412	200'	

COMMONWEALTH OF VIRGINIA
 DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT
 DIVISION OF MINERAL RESOURCES
 Box 3667, University Station, Charlottesville, Virginia

293
 W-581
 Monasses Park

Well #2

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 TENANT: *Leazer Pump & Well Co.* Mailing Address: P.O. Box 385, Reminton, Va.
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 195 ft. 200 ft.

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 8 50 305

CASING SIZE

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

PUMP (installed)

TYPE Cap. (gpm)

H.P. Depth of intake ft.

REMARKS: (1) The well was pumped by air lift from the rotary drilling rig - Assuming 50% submergence, the draw down would be 103 ft., at 60% submergence the drawn down would be 74 ft.

Pump log enclosed.

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Analysis by C.W. England Labs on file

Log of well (over)

LOG

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	2:00	"	"	"	"
	2:30	"	"	"	"
	3:00	"	"	"	"
	4:00	"	8	412	"
	5:00	"	"	"	"
	6:00	"	7	471	"
	7:00	"	"	"	"
	8:00	"	"	"	"
	9:00	"	"	"	"
	10:00	"	8	412	"
	11:00	"	7	471	"
	12:00 MN	"	"	"	"
9/12/61	1:00 AM	"	7	"	"
	2:00	"	"	"	"
	3:00	"	"	"	"
	4:00	"	"	"	"
	5:00	"	"	"	"
	6:00	"	"	"	"
	7:00	"	"	"	"
	8:00	"	"	"	"
	9:00	"	8	412	"
	10:00	"	"	"	"
	10:30	"	"	"	200
	11:30	"	"	"	"

