Page 1	ge 1 VDMR WELL NO.: 454			
0		Sample Int	erval: from 10	0 to 255
PROP: Town of M	t. Jackson Well #2	Total Dept	h	
COMP: Sydnor Pu	mp and Well	OilGa	asWater_X	_Exploratory_
COUNTY: Shenand	oah	Cuttings	X Core	Other
From-To	From-To	From-To	From-To	From-To
10 - 20 - 20 - 90 missing 90 _ 100 102			-	
112 - 125 - 135 - 145 -	Tak sainw	Not suff	! sompler -	
165 - 175 - 185 - 195 - 205 -				
215 = 223 = 235 = 245 = 255 =				
265 -	161) -			

### Interval Sheet

Sheet No.

Cuttings	Core	Water Well	Gas Well

From-To	From-To	From-To	From-To	From-To
-	-	-	-	- 0
-	- 7	-	-	-
-	-	-	-	-
-				-
)	-	-	-	
-	_	-	-	
7	- 1			
-	/* / / <del>*</del>		-	72° des
	-		-	
-	7			
				•
				0

Total Depth \_\_\_\_\_

#### COMMONWEALTH OF VIRGINIA

# DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

## DIVISION OF MINERAL RESOURCES

Box 3667, University Station, Charlottesville, Virginia

WWCR 141 VDMR 454

Well No. 2 WATER WELL CO	MPLETION REPORT	нтчас
OWNER: Town of Mt. Jackson	Moiling Address: Mt. Jackson	Virginia Of More
TENANT:	Mailing Address	
DRILLER: Mitchell No. 65) Sydnor Pump & Well	Mailing Address: Richmond, Vin	rginia
WELL LOCATION: county (Mt. Jackson) Shenandoah	Approx	
	and ft miles	of San
(Give direction and distance in feet or tenths of mile from two reference points - roads, towns, rivers	, etc.— On county highway or other map.)	rofae(23 1948 11 62
WATER CONDITIONS	ETED TO N	8-5-60
DEPTH		rammer School property.
STATIC WATER LEVEL56'	Town of Mt. Jackson	13 600 43 64 65
WATER ZONES (fissures or formations supplying water)	expand free	
93 (from) 97 (to) (from) (to)	enossenti vi	and beat on
223 ft. 224 ft.	deal number on - sex	nework 63 16 56
		to brail 80 co
Air lifted QUANTITY OF WATER	rs on getsw - noinsmo)	novors of 80
WELL PUMPED (or bailed) at 75 Gal. per Min. with	enctamil v	softesil (0)   Te
200 feet DRAWDOWN after 28 HOURS PUMPING.		
FLOW (natural)G.P.M. HEADft. (above ground)	. I signs wouldn't - not	ne was 10 10 1000
REMARKS: Water carrying clay color-at end of Air lift.	The Town has a turbir	ne pump which will be
QUALITY OF WATER		oump until the water
	is clear.	
COLOR TASTE		
ODOROTHER		
ANALYSIS: AVAILABLE— Yes D NoD: ATTACHED YES D NoD TEMPERATURE 56°F	**************************************	
(from) (fo)		
WATERftft.		
USE OF WATER: Domestic - Town & Industry - Form - Public	S	
CONSTRUCTION	HOLE SIZE	CASING SIZE
RIG TYPE (or method) Air Rotary 4"discharge (rotary, cable, bored, driven, etc)	(diam) (from) (to)	(diam.) (from) (to)
DATE: Started 7-23-60; Completed 8-1-60	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	0 100
TOTAL DEPTH 284 ft.		
BEDROCK at 32 ft.	(diam.) (from) (to)	perforations) (opening size)
GROUTING INFORMATION	inftft	
METHOD USED Gravity		(installed)
	TYPE Turvine . Car	p. (gpm) 4" discharge
601		
DEPTH OF GROUTING	HxRx 177' airlinDepth of	intake 210 ft.
REMARKS: A quantity of water was sealed		
out with the first line of pipe. This flow could not be measured correctly but it is		
thought to be 50 G.P.M. plus. This water c	ould	
be developed by perforating the casing. It		
decided to fully evaluate he water at 223'		
date consider dévelopment of the top flow.		

Sydnor Pump & Well Co., Inc.
Driller John Mitchells log FURNISHED BY\_

DATE: 8-1-60

By Jesse Snyder

DEPTH (feet)		TYPE OF SOIL OR ROCK PENETRATED		REMARKS 01 1100	
FROM	(rect)			(water, caving, shot, screen, sample, etc.)	
					TAKE
0	5	Red clay			control (5) of Details sydner
5	11	Gravel		displanation in	DOT SEED AND THE PROPERTY OF
11	23	Hard Red cl			
23	24	Limestone b			
24	32	Red clay bo			
32	35	Blue limest			ENOTHER OF STAM
35	36	Crack (no r	eturn)		MY430
36	43	Blue Limest			TENED THE SELECTION OF THE
43	46	Broken Rock			pais anniomal to esmestil 23MGI 8370
46	62	Hard gray 1		101	constitution of the same of th
62 65	65 <b>9</b> 3		- no return (lost	dust - first	water)
93	97	Hard gray 1.	ation - water no re	turn	ASTAW TO YELLWADO BESTILLTIA
97	100	Hard Rock	acton - water no re	dim miscran	for CT to (balled no) GERMON JU
100	126	Hard gray 1:	imestone		DOR AS ISMA WYORWARD HAS DOD
126	222	Hard blue 1:	mactono	Danion sectoria	CA SIL MELL COTORN WE
222	223		- Yellow shale ? v	vater - (Deve	loped to-75 GPM)
223	284	Hard Blue L	imestone		
Literal III	in Sille 1	arm contractor	- 11150 Sma 112 WHIE		K STAW PO PTILIAUS
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		846			MOLEDVALENDO
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		Parish States			MOUTAMBORN BUTUGBA
SPE	150.50	The second second	enie		THOO USED STREETS
		mid(b) does	21/45/11/2017		SOUTH A PROPERTY OF THE
11		- Marie 15 0	March 1775 at a 1775 as A		PTH OF SHOUTING COT
					SENCER WINDOWS STREET, A PARAM SELECTION SECTION SECTI
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E E ET.	Original Design	on to wal			

### Department of Conservation and Economic Development VIRGINIA DIVISION OF MINERAL RESOURCES 60-454 Box 3667, University Station, Charlottesville, Virginia Well No 2 OWNER: Town of mt. Jackson WELL LOCATION: TOWN MA Jackson County Shenaudoah (Give directions and distance in feet or tenths of miles from two reference points shown on topographic or county highway maps.) Sydnor Pump + Well a Inc · Vergenia Well is located on Grammer school WATER CONDITIONS Property - Town q mt Jackson STATIC WATER LEVEL \_ WATER (aquifers): YIELD The Town has a turbine pump which WELL, PUMPED (or bailed) at 75 G.P.M. with 200 ft. DRAWDOWN after 28 hrs. PUMPING. will be put in The well To ARTESIAN (natural) FLOW\_\_\_\_\_G.P.M; HEAD\_\_\_ft. (above grnd.) pump until The water is clear REMARKS: Water Carring Clay Color at end 9 An lift QUALITY OF WATER \_\_ OTHER ANALYSIS: AVAILABLE - Yes \( \text{No} \( \text{No} \); ATTACHED - Yes \( \text{No} \) HOLE SIZE CASING SIZE USE OF WATER lown 10 (domestic, town, industry, irrigation, etc.) 100 ADEQUACY, PERMANENCE\_ PUMP (installed) SCREEN (or perforations) TYPE Turbine CAPACITY GPM 4 discharge 177' air line DEPTH OF INTAKE 210 CONSTRUCTION DATE STARTED 7-23-60; COMPLETED 8-1-68 OTHER CONSTRUCTION INFORMATION: (gravel pack, depth and size of shot, packer, plugs, etc.) Wellis Class I A Construction - Bottom Top 60 Grouted 15 Gavel Packed -BEDROCK at SURFACE ELEVATION was sealed GROUTING INFORMATION Pipe ., Method Used: - Gravity Correctly Grouting Materials: Coment & Water G.P.M. Plas Depth of Grouting: by nertovating the caseur . It was decided Samples sent Charlottes Vall. evaluate The water at 223' and at a later Log of well (over)-By Jesse Smyder date consider development of The Top flow.