### INTERVAL SHEET

Page 1	****	VDMR	WELL NO. 420	and agree (1), of an expectation field, side in (
		Sample	Interval: from 70	to 220
PROP:	Town of New Market Well #1	Total D	epth: 225	-
COMP:	Sydnor Pump & Well Co.	Oil	Coo	Frankonskom
COUNTY:	Shenandoah	011	GasWater_X	Exploratory
		Cuttings	s_x_CoreOth	er
From-To	From-To	From-To	From-To	From-To
70 - 80		<del>-</del>	-	÷
80 - 90		-		
90 - <u>100</u> 100 - <u>110</u>				
110 - 120	-	I rele	set of wa	ld somples
120 - 130	_		0 -	
130 - 140		-	*	
140 145				
45 - 150		-		
160 - 170		<b>4</b> )		
174 - 178		•	-	
180 - 190		-	-	-
190 - 195		-		
195 - 200		<del>9</del>		**************************************
200 - 210	<del>-</del>	-	•	
210 - 220		-	-	-
**		-		
-		*	-	
~			-	~
		ate:		184
**			_	
* 1	-	y		-
**	-	-	an	***
-		-		
		-	-	

### COMMONWEALTH OF VIRGINIA

DIVISION OF MINERAL RESOURCES

Box 3667, University Station, Charlottesville, Virginia

WATER WELL CO	MPLETION REPORT HT930
OWNER Town of New Market	Moiling Address: New Market, Virginia
TENANT: DRILLER: Sydnor Pump & Well Co., Inc. WELL LOCATION: County Shenandoah West (direction) of New Market, Virginia	Moiling Address 1305 Brook Road Bishmond Wo
DRILLER: States I tamp & Woll ob., Inc.	Moiling Address: 1909 Blook Hoad, Richarding, Va
West (direction) of New Market, Virginia	Approx. ft near Shenandoah Acamed
(Give direction and distance in feet or tenths of mile from two reference points - roads, towns, river	s, etc.— On county highway or other map)
WATER CONDITIONS	767 49 20 10 10 130
DEPTH	(67)
STATIC WATER LEVEL 42 feet	(626) Squicksbury
WATER ZONES (fissures or formations supplying water)	615
(from) (to) (from) (to)	67
ft. , ft. ft.	
QUANTITY OF WATER	(736) Table 1 (736)
WELL PUMPED (or bailed) at 2004 Gal. per Min. with	(728)
feet DRAWDOWN after HOURS PUMPING.	(617) (734) (778) (78) (78) (78) (78) (78) (78) (7
FLOW (natural)G.P.M. HEADft. (above ground REMARKS:	
REMARKS.	TIMER RYLLE
QUALITY OF WATER	MARKET 199
COLOR TASTE	619 (735)
ODOROTHER	620
ANALYSIS. AVAILABLE— Yes O No O: ATTACHED Yes O No O	HARRISONBURG
TEMPERATURE (to)	10.00
TEMPERATURE (from) ftftft.	
USE OF WATER: Domestic   Town   Industry   Farm   Public	S
CONSTRUCTION	HOLE SIZE CASING SIZE
RIG TYPE (or method)  air-rotary  (rotary, cable, bored, driven, etc)	(diam) (from) (to) (diam.) (from) (to)
DATE: Started 11/16/59; Completed 12/3/59	10" 0 "901" 7"OD 0 90"
TOTAL DEPTH 225 ft.	
BEDROCK atft.	SCREEN (or perforations) (diam.) (from) (to) (opening size)
GROUTING INFORMATION	PUMP (installed)
METHOD USED cement slurry	
GROUTING MATERIAL Portland cement	TYPE Cap. (gpm)
DEPTH OF GROUTING 90 feet	H.P Depth of intakeft.
REMARKS: Well was pumped at 150 Gal	lons Per Minute with 39 ft.
drawdown.	
see letter of Feb y, 1960 from sydnor	TOT COSTING THE
3.1	UDMR#-420
Ph \$6,0 Temp 520 near contact	46-0/m - RHR 2/5/60
	Log of well (over)
7-	

FURNISHED BY Sydnor Pump & Well Co., Inc. DATE: 2/3/60

Box 3667, University Stotion, Charlottesville, Virginia

(fe	PTH et)	TYPE OF SOIL OR ROCK PENETRATE	HER MELL ON	REMARKS
FROM	ТО	(gravel, clay, etc., hardness, color, etc.	(wate	er, caving, shot, screen, sample, etc.)
				The state of the s
0.00	3/1	top soil 20 20E1 2051 PRINTED	Well Co., Inc.	ENANT. Sydnor Pump &
36	6	yellow clay, sand, grave	Laobasa	71117
6	8	APPRICA CT CT APPRICA	Market, Virgini	VINUOU VIOLUI I I I I
8	9	gray lime		10 (doitestia)
9	- 22	yellow clay, gravel	on res leftrence mints rands, trents, re-	at all of the artifact or that is specification polysomers
22	24	gray lime	PHOITIGH	WATER CO
211	25	yellow clay		
24 25	34	hard gray rock	A COUNTY OF THE PARTY OF THE PA	DEPT
21	1.21	yellow clay boulders	Sel SH	TATIC WATER LEVEL
34 46 48 48	46章	hard gray rock	nations supplying water)	ATER ZONES (fissures or fori
1.81	1,0	crack	(et) (mont)	(of) v (mort)
1.02	49		17	- 1
49	27	hard rock with cracks	H-	-1
57	537	hard rock	WATER	OUANTITY OF
23	51	clay, yellow boulders		ELL PUMPED (or boiled) at 2
51	64	hard rock		
57645	65	soft rock	HOURS PUMPING.	
65	70		HEADft (above groun	OW (natural) G.P.M.
70	85	hard rock		MARKS:
85	107월	hard gray rock		
107월	138	hard gray lime	WATER	QUALITY OF
138	147	light gray lime		
147	174	hard gray lime	STE	OLOR TA
174	188	light gray lime	HER	TO 900
188	190	hard gray lime	ATTACHED YES D No D	NALYSIS: AVAILABLE- Yes D NoD:
190	195	light gray lime		EMPERATURE
195	223	hard gray lime	(at) +5 (most)	DETAIN
223	225	cave, mud and water		(salt, brackish, non, suffur, acid, other)
	A Service Designation of	A CHARLEST AND A SHAPE OF THE PARTY OF THE P	en C Industry C Form C Public	SE OF WATER, Domestic D Tox
A STATE OF THE STA	STE COURT	HOLE SIZE OA		CONSTRUC
	(mon)	(moib) (ot) (moit) (moib)	otary	G TYPE (or method) (rolary, cable, b
06	0	do " " 0 " " " " " " " " " " " " " " " "	ored, driver, lite.)	03/35/55
			Completed 12/3/39	ATE: Storred 11/16/59 ;
	(eno	SCREEN (or perforati		OTAL DEPTH 22 1
	(932 Dumpho	(ot) (mon) (min)	1	EDROCK of
				GROUTING INFO
		Program Graffel	25.031 - 6.14.52	
		PUMP (installed)		
		bearing and a second	TTT	ETHOD USED COMEDE BAR
		TYPE Cap (gpm)	trey compact	ETHOD USED COMEDE BIZ
17		bearing and a second	trey compact	ETHOD USED COMEDE BIR
11		TYPE Cap (gpm) H.P. Depth of intake	Jast	ETHOD USED COMOUNT STATES OF THE OF GROUTING OF GROUTING OF THE OF GROUTING OF THE OF
11	.#	TYPE Cap (gpm)	enty and communt set numbed at 150 Co	ETHOD USED COMEDE BLE ROUTING MATERIAL POPTLE EPTH OF GROUTING 90 I EMARKS: Well was
11	. it	TYPE Cap (gpm) H.P. Depth of intoke Loos Per Minuse with 30 f	nry nd commt est numped at 150 Co	ETHOD USED COMEDE BLE ROUTING MATERIAL POPTLE EPTH OF GROUTING 90 1 EMARKS: Well was drawdown.
1	. 3'	TYPE Cap (gpm) H.P. Depth of intake	nry nd commt est numped at 150 Co	ETHOD USED COMEDE BLE ROUTING MATERIAL POPTLE EPTH OF GROUTING 90 1 EMARKS: Well was drawdown.
	* # (\$as(!)	TYPE Cap (gpm) H.P. Depth of intoke Loos Per Minuse with 30 f	nry nd commt est numped at 150 Co	ETHOD USED COMEDE BLE ROUTING MATERIAL POPTLE EPTH OF GROUTING 90 1 EMARKS: Well was drawdown.
	.# E.Sm(7)	TYPE Cop (gpm) H.P. Depth of intoke Louis Per Minuse with 30 f	nry nd commt est numped at 150 Co	ETHOD USED COMEDIA BLANCOUTING MATERIAL POPTLA SEPTH OF GROUTING 90 1 EMARKS: Well was drawdown.
11	. # Langt	TYPE Cop (gpm) H.P. Depth of intoke Louis Per Minuse with 30 f	nry nd commt est numped at 150 Co	ETHOD USED COMEDIA BLA ROUTING MATERIAL POPTLA EPTH OF GROUTING 90 I EMARKS: Well was disuction.
10	. # EganGU	TYPE Cap (gpm) H.P. Depth of intake. Louis Per Minute with 30 f	January January 150 Ca	ETHOD USED COMEDA BIS ROUTING MATERIAL PORTIE EPTH OF GROUTING 90 I EMARKS: Well was drawdown.
10		TYPE Cap (gpm)  H.P. Depth of intake  Louis Per Minuse with 30 t	January January 150 Ca	ETHOD USED COMEDIA BLANCOUTING MATERIAL POPTLE EPTH OF GROUTING 90 I EMARKS: Well was drawdown.
	L Grand C	TYPE Cap (gpm)  H.P. Depth of intake  Louis Per Minuse with 30 t	January January 150 Ca	ETHOD USED COMEDA BIS ROUTING MATERIAL PORTIS EPTH OF GROUTING 90 I EMARKS: Well was drawdown.
		TYPE Cop (gpm)  H.P. Depth of intoke  Louis Per Minuse with 30 f	January January 150 Ca	ETHOD USED COMEDE BIS ROUTING MATERIAL PORTIS EPTH OF GROUTING 90 I EMARKS: Well was drawdown.
		TYPE Cap (gpm)  H.P. Depth of intake  Louis Per Minuse with 30 t	January January 150 Ca	ETHOD USED COMEDE BIS ROUTING MATERIAL PORTIS EPTH OF GROUTING 90 I EMARKS: Well was drawdown.

### COMMONWEALTH OF VIRGINIA

### DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

# DIVISION OF MINERAL RESOURCES Box 3667, University Station, Charlottesville, Virginia WWCR -#45 VDMR -#420

VDMR -#420

## WATER WELL COMPLETION REPORT

OWNER: Town of New Market	Mailing Address: New Market, Virginia
DRILLER: Sydnor Pump & Well Co., Inc.	Moiling Address 1305 Brook Road, Richmond, Va.
WELL LOCATION: Shenandoah	Mailing Address.
WELL LOCATION: county Shenandoah West (direction) of New Market, Va.	miles near of Shenandoah Acadamy
(Give direction and distance in feet or tenths of mile from two reference points - roads, towns, river	s, etc.— On county highway or other map.)
WATER CONDITIONS	N. Waller and S.
DEPTH	
STATIC WATER LEVEL 42 feet	
WATER ZONES (fissures or formations supplying water)	
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
(from) (to) (from) (to)	
ft.	
QUANTITY OF WATER	
WELL PUMPED (or bailed) at 200 + Gal. per Min. with	
feet <u>DRAWDOWN</u> afterHOURS PUMPING.	E CONTRACTOR OF THE PROPERTY O
FLOW (natural)G.P.M. HEADft. (above ground	
REMARKS;	
QUALITY OF WATER	
COLOR TASTE	是是一个人,但是一个人的一个人,但是一个人的一个人,但是一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的
ODOROTHER	
TEMPERATURE (from) ftftft.	(1) 10 10 10 10 10 10 10 10 10 10 10 10 10
(salt, brackish, iron, sulfur,acid, other)	
USE OF WATER: Domestic   Town   Industry   Farm   Public	S S
CONSTRUCTION	HOLE SIZE CASING SIZE
RIG TYPE (or method) air-rotary (rotary, cable, bored, driven, etc)	(diam) (from) (to) (diam) (from) (to)
	10" " 0 " 90+" 7" 0" 0 0 " 90 ".
DATE: Started 11/16/59; Completed 12/3/59	$\begin{bmatrix}6\frac{1}{4} & -90 & -225 \end{bmatrix}$
TOTAL DEPTH 225 ft.	SCREEN (or perforations) (diam.) (from) (to) (opening size)
BEDROCK atft.	infttt
GROUTING INFORMATION  METHOD USED Cement slurry	PUMP (installed)
INETHOD OSED	- TYPE Cap. (gpm)
GROUTING MATERIAL Portland cement	
DEPTH OF GROUTING 90.	H.P Depth of intakeft.
	per minute with 39 ft. drawdown.
See letter of Feb. 4, 1960 from	Sydnor for casing infor.
Ph approx. 6.0 Temp. 52 near c	ontact & b-olm -RHD 2/5/60
THE approx. 0.0 Temp. 32 Hear C	011000 p p 01111 11115 2/0/00

\_\_\_\_DATE: \_\_2/3/60

0 3 6 8 8 9 22 24 25 34 46½ 44 6½ 44 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 77 66 66 65 66 66 66 66 66 66 66 66 66 66	3 6 8 9 22 24 25 34 46 2 49 51 53 57 64 65 70 85 107 2 138 147	hard rock hard gray rock hard gray lime light gray lime	(water, caving, shot, screen, sample, etc.)
3 6 8 8 9 22 24 25 334 46½ 49 51 53 57 66 65 77 66 65 77 66 65 77 68 85 11 138 11 174 11 188 11 174 11 188 11 190 11 195 22	6 8 9 22 24 25 34 46½ 49 51 53 57 64 65 70 85 107½ 138 147 174	yellow clay, sand, gravel yellow clay gray lime yellow clay, gravel gray lime yellow clay hard gray rock yellow clay boulders hard gray rock crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard gray rock hard gray lime light gray lime	AND STATE OF THE S
3 6 8 8 9 22 24 25 334 46½ 49 51 53 57 66 65 77 66 65 77 66 65 77 66 65 11 138 11 174 11 188 11 174 11 188 11 190 11 195 22	6 8 9 22 24 25 34 46½ 49 51 53 57 64 65 70 85 107½ 138 147 174	yellow clay, sand, gravel yellow clay gray lime yellow clay, gravel gray lime yellow clay hard gray rock yellow clay boulders hard gray rock crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard gray rock hard gray lime light gray lime	AND SOLD SELECTION OF AN ALL AND THE LANGE OF AN ALL AND AND ALL AND AN ALL AND
3 6 8 8 9 22 24 25 34 46½ 448½ 449 55 51 55 57 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 664 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665 77 665	6 8 9 22 24 25 34 46½ 49 51 53 57 64 65 70 85 107½ 138 147 174	yellow clay, sand, gravel yellow clay gray lime yellow clay, gravel gray lime yellow clay hard gray rock yellow clay boulders hard gray rock crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard gray rock hard gray lime light gray lime	AND STATE OF THE S
6 8 8 9 22 24 25 33 4 46½ 49 55 1 55 57 66 65 77 66 65 77 66 65 77 66 65 1 107½ 1 138 1 147 1 174 1 188 1 190 1 195 22	8 9 22 24 25 34 46½ 48½ 49 51 53 57 64 65 70 85 107½ 138 147 174	yellow clay gray lime yellow clay, gravel gray lime yellow clay hard gray rock yellow clay boulders hard gray rock crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
8 9 2 2 2 2 2 4 2 2 5 3 4 4 6 ½ 4 4 9 5 5 1 5 3 5 7 6 4 6 6 5 7 7 0 8 8 5 1 1 107½ 1 138 1 147 1 1 188 1 190 1 195 2 2	9 22 24 25 34 46½ 48½ 49 51 53 57 64 65 70 85 107½ 138 147 174	gray lime yellow clay, gravel gray lime yellow clay hard gray rock yellow clay boulders hard gray rock crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
9 22 2 2 2 2 2 2 4 2 2 5 3 3 4 4 4 6 ½ 4 9 5 5 1 5 3 5 7 6 4 6 6 5 7 7 0 8 8 5 1 1 107½ 1 138 1 147 1 1 174 1 188 1 190 1 195 2 2	22 24 25 34 46½ 48½ 49 51 53 57 64 65 70 85 107½ 138 147 174	yellow clay, gravel gray lime yellow clay hard gray rock yellow clay boulders hard gray rock crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
22 24 25 3 34 46½ 48½ 49 5 51 53 57 66 65 77 68 85 1107½ 1138 1147 1174 1188 1190 1195 22	24 25 34 46½ 48½ 49 51 53 57 64 65 70 85 107½ 138 147 174	gray lime yellow clay hard gray rock yellow clay boulders hard gray rock crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
24 25 34 46½ 48½ 49 51 53 57 64 65 70 85 107½ 138 147 174 188 190 195 2	$25$ $34$ $46\frac{1}{2}$ $48\frac{1}{2}$ $49$ $51$ $53$ $57$ $64$ $65$ $70$ $85$ $107\frac{1}{2}$ $138$ $147$ $174$	gray lime yellow clay hard gray rock yellow clay boulders hard gray rock crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
24 25 34 46½ 48½ 49 51 53 57 64 65 70 85 107½ 138 147 174 188 190 195 2	34 46½ 48½ 49 51 53 57 64 65 70 85 107½ 138 147 174	yellow clay hard gray rock yellow clay boulders hard gray rock crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
25 34 46½ 48½ 49 51 53 57 64 65 70 85 107½ 138 147 174 188 190 195 2	34 46½ 48½ 49 51 53 57 64 65 70 85 107½ 138 147 174	hard gray rock yellow clay boulders hard gray rock crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
34 46½ 48½ 49 51 53 57 64 65 70 85 1107½ 138 147 174 188 190 195 2	46½ 48½ 49 51 53 57 64 65 70 85 107½ 138 147 174	yellow clay boulders hard gray rock crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
46½ 48½ 449 551 53 57 664 665 77 885 11 107½ 11 138 11 174 11 188 11 190 11 195 22	$48\frac{1}{2}$ $49$ $51$ $53$ $57$ $64$ $65$ $70$ $85$ $107\frac{1}{2}$ $138$ $147$ $174$	hard gray rock crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
$ \begin{array}{c cccc} 48\frac{1}{2} & 2 \\ 49 & 5 \\ 51 & 5 \\ 53 & 5 \\ 70 & 8 \\ 64 & 66 \\ 65 & 7 \\ 70 & 8 \\ 85 & 1 \\ 107\frac{1}{2} & 1 \\ 138 & 1 \\ 147 & 1 \\ 174 & 1 \\ 188 & 1 \\ 190 & 1 \\ 195 & 2 \end{array} $	49 51 53 57 64 65 70 85 107½ 138 147 174	crack hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
49 5 51 5 53 5 57 64 66 65 7 70 88 85 1 107½ 1 138 1 147 1 174 1 188 1 190 1 195 2	51 53 57 64 65 70 85 107½ 138 147	hard rock with cracks hard rock clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
51 53 55 66 64 66 65 77 88 5 1 107½ 1 138 1 147 1 188 1 190 1 195 2	53 57 64 65 70 85 107½ 138 147	hard rock clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
53 57 64 65 70 85 107½ 138 147 174 188 190 195 2	57 64 65 70 85 107½ 138 147	clay, yellow boulders hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	AND STATE OF THE S
57 64 66 65 70 85 1 107½ 138 1 147 1 174 188 1 190 1 195 22	64 65 70 85 107½ 138 147	hard rock soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	MERT NATURE WAS DESCRIBED TO SHEAR
64 65 70 85 107½ 138 147 174 188 190 195 2	65 70 85 107½ 138 147	soft rock clay and boulders hard rock hard gray rock hard gray lime light gray lime	MERT NATURE WAS DESCRIBED TO SHEAR
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	70 85 107½ 138 147 174	clay and boulders hard rock hard gray rock hard gray lime light gray lime	MERT NATURE WAS DESCRIBED TO SHEAR
70     8       85     1 $107\frac{1}{2}$ 1       138     1       147     1       174     1       188     1       190     1       195     2	$   \begin{array}{c c}     85 \\     107\frac{1}{2} \\     138 \\     147 \\     174   \end{array} $	hard rock hard gray rock hard gray lime light gray lime	
70     8       85     1 $107\frac{1}{2}$ 1       138     1       147     1       174     1       188     1       190     1       195     2	$   \begin{array}{c c}     85 \\     107\frac{1}{2} \\     138 \\     147 \\     174   \end{array} $	hard rock hard gray rock hard gray lime light gray lime	STANCENS VIOLATES
$ \begin{array}{c cccc} 85 & 1 \\ 107\frac{1}{2} & 1 \\ 138 & 1 \\ 147 & 1 \\ 174 & 1 \\ 188 & 1 \\ 190 & 1 \\ 195 & 2 \end{array} $	$107\frac{1}{2}$ $138$ $147$ $174$	hard gray rock hard gray lime light gray lime	STANCED VILLARIES
$ \begin{array}{c cccc} 107\frac{1}{2} & 1 \\ 138 & 1 \\ 147 & 1 \\ 174 & 1 \\ 188 & 1 \\ 190 & 1 \\ 195 & 2 \end{array} $	138 147 174	hard gray lime light gray lime	STANCED THATS
138 1 147 1 174 1 188 1 190 1 195 2	147 174	light gray lime	
147 1 174 1 188 1 190 1 195 2	174		
174 1 188 1 190 1 195 2		la caral conservation of the carallel conserv	
188 1 190 1 195 2		hard gray lime	
190 1 195 2	188	light gray lime	
195 2	190	hard gray lime	
100 CO 10	195	light gray lime	
The state of the s	223	hard gray lime	
223 2	225	cave, mud and water	
			Training to the light of the control
			The Control of the Wood Control of the Control of t
	1215 3		AUST MARKET AND USES
The Levi		12 minor \$1504	
13	A RES	Chapt get 1	
			The same transfer to the same of the same
	- 17 43	Deverte a final and a second	
		- April and the telephone in the	
	THE PARTY		
		20 /6/21 10 mile ved / Tostinos 1/2	
	NET I		
	Maria la		
	P. C.		
	5 1 S. 7		