COMMONWEALTH	C-190
MAILING ADDRESS: DIVISION OF MIN Box 3667 JAMES L. CALVER	ERAL RESOURCES OFFICE ADDRESS: R, COMMISSIONER McCormick Road OMPLETION REPORT Charlottesville, Virginia
OWNER: Roy Rogers Development Corporation #2	1020 Elm Drive Moiling Address: Mechanicsville, Virginia 23111
TENANT: "The Ridges" Subdivision	Mailing Address
DRILLER: Sydnor Hydrodynamics, Incorporated	P. O. Box 27186 Mailing Address Richmond, Virginia 23261
WELL LOCATION: County Hanover	
	feet south (direction) of State Route 1542
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TY COUNTY HIGHWAY OR OTHER MAP.)	WO REFERENCE POINTS - ROADS TOWNS RIVERS FTC - ON
DATE STARTED: August 25, 1977	DATE COMPLETED: September 17, 1977
TYPE OF DRILL RIG USED: rotary	TOTAL DEPTH feet
WATER LEVEL: Stands189'10"feet below	Completed at 354 feet
has NATURAL flow of	gallons per minute.
YIELD TEST: Methodpump	HOLE SIZE: 12 inches from to 60 feet
Drawdown <u>42</u> feet	inches fromtofeet
Rate45 gal. per min.	
Duration <u>48</u> hrs., min.	inches fromtofeet 4 262 267 SCREEN SIZE:4 inches from _286 to _291 feet
WATER ZONES: from tofeet	4_inches from40
fromtofeet	4_inches from334_to349_feet
fromtofeet	CASE SIZE: 6 inches from +2 to 262 feet
WATER: ColorTaste	4 inches from 267 to 286 feet 4 inches from 291 to 299 feet
OdorTemp°F	$\frac{4 \text{ inches from } 291 \text{ to } 299 \text{ feet}}{4 \text{ inches from } 304 \text{ to } 334 \text{ feet}}$ $\frac{4 \text{ inches from } 304 \text{ to } 354 \text{ feet}}{4 \text{ inches from } 349 \text{ to } 354 \text{ feet}}$
WELL TO SUPPLY: (check one) Home	4 inches from 349 to 354 feet GROUTING Method <u>yes</u>
Farm Town School	Material Depth 50 feet
IndustryOther_subdivision	PUMP: Type
WATER ANALYSIS AVAILABLE:YesNo By: Froehling and Robertson (State Lab) DRILL CUTTINGS SAVED: Yes35 No (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT IN OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHE	Capacitygal. per min Depth of intakefeet NTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS
REMARKS: Electric log by driller.	
	(LOG OF WELL) OVER

DATE

FURNISHED BY: Tom Vires

	PTH enclosed et)	TYPE OF ROCK OR SOIL PENE	TRATED	REMARKS
FROM	rgi 0T a	gravel, clay, etc., hardness, colo	r, etc.) Se noidstoc	(water, caving, shot, screen, sample, etc.)
				rewarr "The Ridges" Subdivision
		Mailing Address P. O. Box 27186		
0	623263	Fine sand to do do do	fieldstogs	ORI LER Sydnor Hydrodynaules, Inco
3	27	Pink and yellow clay		
27	112	Fine sand, white and brown		WELL LOCATION COMP. Maneyer
112	150	Dark blue clay and fine black s		
150	228	Dark blue clay with hard streak		State Koute 615
228	250	Hard, rough clay, gravel and sa	and	CONTRACTOR AND DEFINITE IN REET OR CONTRACTOR
250	304	Gray clay and sand	11	SAN RENTO RO YAWNON YTYGOD
304 320	320 360	Tough gray clay and sand with s		
520		Gray cray and sand		0416 STARTED AUGUSE 25, 1977
	3.60	107430	rotary	TYPE OF CALL RIG USED
	150	da Bedelgmod <u>80</u> economic	and and the set	WAYER LEVEL STARSEN
		sluñim ken bislipp	to well 1	A. 转载学 古利 - 10 × 10
	0 10 3	HOLE SIZE 12 month from		TELO TEST MUMMI PUTTO
		PROVE FOR SWE	14.0	52)
		and a man		· · · · · · · · · · · · · · · · · · ·
78	262 2	- and second - 13215 M32028 1		ana 84 mellanut
	a		33.4 C	
		- wast reached	15.93 (1997)	WATER ZONES: For an an an an an
1994 <u>R</u>	E 1 _ NE(and it is set so that	0.01	1 × 0.01
	+2_12_2	GASE 912E	1101	
	867 10 2 191 to 2	A inches from		WATER CONT.
3.4 feed	104 10 - 3	4 Inches from	5.F	
	149 to 3	4 inches from GROUTING Manua Y98		WELL KO SUPPLY (creat out) home
	08. 10			Earco 1000
			1903	sivistic00m_ subdivis
	fap			THE STUVIES SISAIVAR BEAUN
				By: Ecochling and Roburtson (Stabe Druc OUTTINGS SAVEC: YeaX
	r arebee		e 1000 00 78	DARLO GUTTINGY SHOULD WE COLLECTED. SERVER EXPANSE COLLECT ANAROL: 74.0
				and the second states
	I			

VIRGINIA DIVISION OF MINERAL RESOURCES Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

1	Page	l of l	C-190 Well Repository No.: W-4959
	Date rec'o	d: 11/18/77 Date Processed: 01/06/78	Sample Interval: from 0 to: 350
	PROPERTY:	Roy Rogers Development Corporation #2 ("The Ridges" Subdivision)	Number of samples: 35
	COMPANY:	Sydnor Hydrodynamics, Incorporated	Total Depth: 360'
	COUNTY:	Hanover (Simpkins Corner)	Oil or Gas: Water: x Exploratory:

From-To	From-To	From-To	From-To	From-To
0- 10	300-10		-	-
10- 20	10-20	-	-	-
20- 30	20-30	-	-	.
30- 40	30-40	2-		5.045 1973
40- 50	40-50	-	_	-
		Washed and where he i	-	
50- 60	-	Washed and unwashed	samples _	-
60- 70	_	_	-	-
70- 80	- <u>-</u>	-		-
80- 90	-	-		-
90- 100	-	-	-	-
100- 10	-	-	-	-
10- 20		-		-
20- 30	-	-	-	-
30- 40	-	-	-	-
40- 50	-	-	-	-
50- 60		-		-
60- 70	-	-	-	-
70- 80	-	-	-	-
80-90	-	-	-	-
90-200	_		-	-
200-10	-	-	-	-
10-20	-	-	-	-
20-30	-	-	-	-
30-40		-	-	-
40 - 50	-	-	-	-
50- 60	-	-	-	-
60 - 70	-	-	-	-
70-80	-	-	-	-
80 - 90	-	-	-	-
90-300	-	-	-	-
-	-	-	-	-
-		-	-	
-	- 1		-	-
-	-	-	-	-
-	-	-	1925- 2007	-

	("The Ridges" Subdivision)		
OWNER :	Roy Rogers Development Corporation #2	W# :	4959
DRILLER:	Sydnor Hydrodynamics	C# :	190
COUNTY :	Hanover (Simpkins Corner)	TOTAL DEPTH:	360'
		OUAD :	Seven Pines

GEOLOGIC LOG

Depth (feet)

> 0-10 Sand- yellowish-gray; slightly silty; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; feldspar; some opaques.

- 10-20 Sand- grayish-orange; slightly clayey; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.
- 20-30 As above except medium to coarse grained, some fine grains; moderately well sorted.
- 30-40 Sand- light grayish-orange; medium to coarse grained, few granules; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.
- 40-50 As above except some opaques.
- 50-60 Sand- grayish-orange; slightly to moderately stained; coarse to very coarse grained, few granules; subangular to subrounded; well sorted; quartz; feldspar; few opaques; garnet.
- 60-70 As above except no garnet.
- 70-80 Sand- dark yellowish-orange; slightly to very heavily stained, coarse to very coarse grained, some medium grains, few granules; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.
- 80-90 As above except moderately to heavily stained; no medium grains.
- 90-100 As above.
- 100-110 Sand- light grayish-orange; some stained grains; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.
- 110-120 Sand- light grayish-orange; slightly stained; medium grained; subangular to subrounded; well sorted; quartz; feldspar; few opaques.

("The Ridges" Subdivision) OWNER: Roy Rogers Development Corporation #2 -2- W#: 4959

Depth (feet)

- 120-130 Sand- light olive gray; some stained grains; fine to coarse grained; subangular to rounded; moderately sorted; quartz; 10% glauconite; feldspar; few flakes of muscovite; few black phosphatic fragments.
- 130-140 Sand- light olive gray; very coarse grained, few granules; subangular to subrounded; well sorted; quartz; feldspar; few shell fragments; glauconite.
- 140-150 Sand- light olive gray; very coarse grained, 20% granules; subrounded; well sorted; quartz; feldspar; some glauconite; few flakes of muscovite.
- 150-160 As above.
- 160-170 Sand- olive light gray; slightly clayey; medium grained to granular; subangular to rounded; poorly sorted; quartz; 15% glauconite; feldspar; few shell fragments; muscovite.
- 170-180 As above except 25% glauconite; some shell fragments; few black phosphatic fragments.
- 180-190 Granules and sand- olive light gray; moderate clay; medium to coarse grained, 50% granules; subangular to rounded; poorly sorted; quartz; 15% glauconite; feldspar; few shell fragments; muscovite.
- 190-200 Gravel- off-white; slightly clayey; some very coarse grains, 5% granules; subangular to subrounded; moderately well sorted; quartz; feldspar; few flakes of muscovite.
- 200-210 Sand- olive light gray; moderate clay; fine to coarse grained, some granules, some pebbles; subangular to subrounded; moderately sorted; quartz; 7% glauconite; few shell fragments; muscovite.
- 210-220 Sand and clay- olive light gray; moderate clay- olive light gray, moderate orange pink; fine grained to granular, 10% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; 3% glauconite; some shell fragments; muscovite.
- 220-230 As above.
- 230-240 Clay and sand- olive light gray; abundant clay; moderate sand; fine to medium grained, some coarse grains, some granules, 5% pebbles; subangular to subrounded; moderately sorted; quartz; 7% glauconite; 2% shell fragments; some muscovite.

("The Ridges" Subdivision) OWNER: Roy Rogers Development Corporation #2 -3- W#: 4959

Depth (feet)

- 240-250 Sand- light olive gray; coarse to very coarse grained, some fine grains, some medium grains, some granules, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; 3% glauconite; few flakes of muscovite; few shell fragments.
- 250-260 Sand- light olive gray; coarse to very coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; 3% glauconite; few shell fragments; muscovite.
- 260-270 As above plus some medium grains, 5% granules, few pebbles; moderately sorted.
- 270-280 As above except 2% glauconite.
- 280-290 As above except slightly clayey.
- 290-300 Sand- light olive gray; coarse to very coarse grained, 7% granules; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; few flakes of muscovite.
- 300-310 As above except slightly clayey; 10% granules.
- 310-320 As above plus some medium grains; 5% granules; moderately sorted.
- 320-330 As above except some granules; some pebbles.
- 330-340 Sand- light olive gray; medium to coarse grained, some fine grains, some granules, few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; 2% glauconite; few flakes of muscovite.
- 340-350 Sand- light olive gray; slightly clayey; coarse grained to granular, some medium grains, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; few flakes of muscovite.
- 350-360 No sample.

Logged by: Michael T. Currie June 11, 1979