COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

Br 3667

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road

WATER C. ottesville, VA 22903 WELL COMPLETION REPORT Charlottesville, Virginia

OWNER:Isle of Wight, Geothermal #26	Mailing Address:Isle of Wight, VA 23397
TENANT:	
DRILLER: Gruy Federal, Inc.	Mailing Address Houston, Texas
	Approx. 6.5 miles earsoSWears CE (direction) of the breat bare-pull valls for
Road 10 on Road 258	miles(direction) of
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM T COUNTY HIGHWAY OR OTHER MAP.)	WO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON
DATE STARTED: 9/20/78	DATE COMPLETED: 9/26/78
en ungublished.	rs II aw wint to anoth improve off 1018 feet
WATER LEVEL: Standsfeet below:	surface to <u>OR</u> simipaky
has <u>NATURAL</u> flow of_	gallons per minute.
YIELD TEST: Method	HOLE SIZE: 7-7/8 inches from 0 to 1018 feet
Drawdown feet	tofeet
Rategal. per min.	inches fromtofeet
Durationhrs.,min.	SCREEN SIZE:inches fromtofeet
WATER ZONES: fromtofeet	inches fromtofeet
fromtofeet	inches fromtofeet
fromtofeet	CASE SIZE: 4½ inches from 2 to 1014 feet
WATER: ColorTaste	inches fromtofeet
Odor	inches fromtofeet
WELL TO SUPPLY: (check one) Home	GROUTING: Method
Farm Town School	Material Class A cement Depth 1014 feet
IndustryOther	PUMP: Type
WATER ANALYSIS AVAILABLE:YesNo	Capacitygal per min
ORILL CUTTINGS SAVED: YesNo (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT IN OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISH	ED FREE OF CHARGE UPON REQUEST.)
R ARKS:	

FURNISHED BY:____

DE P	TH X) METERS	TYPE OF ROCK OR SOIL PENETS	RATED REMARKS
FROM	TO	(gravel, clay, etc., hardness, color,	etc.) (water, caving, shot, screen, sample, etc.)
0	64	silty fine sand	THERE I
64	95	fine-coarse sand	
95 125	125 134	glauconitic sand silty sand	RILLER Gruy Federal, Inc.
134	192		ELL LUCCATION Series Isle of Wish
192	201	silty fine-med. sand	
201	213	coarse-very coarse sand	Road LO on Road 258
213 293	293 296	silty fine-coarse sand fine medium sand	WE BRESTON AND DETARTS IN FARE ON MORE FROM TOURING HIGHWAY ON DETARTS MARK
1	ro	name contractors 9/26/1	aryacya avanya
		The descriptions of this well ar	
907	1018	For more information, call or wr	
		Geophysics Dept. Dr. Joe Lambiase	st. sred seeabnus 137VIJ RETA
, gr	f_ of_0	(703) 961 - 6112	ELO PEST Method
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	1		SARRE TO THE BASE CHANGE THE LINE SHITTERS SHOPE
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VIRGINIA DIVISION OF MINERAL RESOURCES Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 1 Well Repository No: W-5826

Date rec'd: Date Processed: 3/21/80 Sample Interval: from:0to: 970

PROPERTY: Isle of Wight - Geothermal #26 Number of samples: 88

COMPANY: Gruy Federal Total Depth: 1078

COUNTY: Isle of Wight (Isle of Wight) Oil or Gas: Water:XExploratory:

From-To	From-To	From-To	From-To
0-10	250-260	500-510	*750-760
*10-20	-	*510-520	760-770
*20-30	-	520-530	*770-780
*30-40	_	530-540	*780-790
*40-50	290-300	540-550	*790-800
50-60	300-310	550-560	*800-810
60-70	310-320	560-570	*810-820
70-80	320-330	570-580	-
*80-90	330-340	580-590	830-840
*90-100	340-350	590-600	*840-850
*100-110	350-360	600-610	*850-860
*110-120	360-370	610-620	860-870
*120-130	370-380	-	*870-880
130-140	380-390	630-640	*880-890
140-150	390-400	640-650	*890-900
*150-160	400-410	650-660	-
-	*410-420	660-670	910-920
170-180	*420-430	670-680	920-930
180-190	*430-440	680-690	=
190-200	*440-450	690-700	*940-950
200-210	*450-460	-	950-960
210-220	460-470	710-720	960-970
220-230	470-480	720-730	-
230-240	480-490	*730-740	-
240-250	*490-500	*740-750	1-

Split-Wash *Unwashed only

Owner: Isle of Wight
Geothermal #26
Driller: Gruy Federal
County: Isle of Wight

C# 220 Total Depth: 1018' Quad: Smithfield Elev: 70'

W# 5826

Depth (feet)	WELL LOG
0-10	Sand - pale yellowish brown (10YR 6/2); abundant clay; medium to coarse, subangular, moderately well sorted.
10-70	Sand - moderate yellow brown (10YR 5/4); abundant clay; medium to very coarse, subangular, moderate sorting; very rare glauconite grains and rare shell fragments.
70-80	Sand - pale yellowish brown (10YR 6/2); abundant clay; medium to coarse, subangular, moderate sorting.
80-90	Sand - pale yellowish brown (10YR 7/2); abundant clay; medium to coarse, subangular, moderate sorting; very rare glauconite; 2% shell fragments - Dentalium, Nucula.
90-100	Sand - light olive gray (5Y 5/2); abundant clay; medium to very coarse, subangular, moderate sorting; 35% shell fragments - Turritella, pectens.
100-110	Sand, Shelly - light olive gray (5Y 5/2); 60% shell fragment; abundant clay; fine to granule, subangular, moderate sorting; 10% fine phosphate fragments; shells - gastropod, dentalium - 2 species; oyster, coral (cup).
110-120	Sand - moderate yellow brown (10YR 5/4); abundant clay; fine to coarse, subangular, moderate sorting; 3% fine phosphate; 5% fine shell fragments - Turritella.
120-150	Sand - light olive gray (5Y 5/2); moderate clay; medium to coarse, subangular, well sorted; 10% phosphate fragments; shell fragments 10% at 120-130; 130-150 - 8%; echinoderm spines; forams; bryozoa at 140-150.
150-160	Sand, Shelly - light olive gray (5Y 5/2); 50% shell fragments; moderate clay; fine to coarse; subangular, moderate sorting; 10% phospatte fragments; shells - Venicardia, Turritella, Yoldia, gastropod; madreporite.
160-170	No Sample.
170-180	Sand - light olive gray (5Y 5/2); moderate clay; fine to coarse, subangular, moderate sorting; 10% phosphate fragments; 20% shell fragments; echinoderm spines; forams - Textularia.

Sand - light and dark gray; trace of clay until 480-490 then sparse clay; fine to very coarse, at 520-530; medium with some fine and some very coarse and very coarse mostly from 430-450; subangular, moderate sorting; 25% glauconite, 20% at 460-470, 10% at 470-500, 8% at 500-520, and 5% at 520-550; shell fragments -

3% from 420-520, then 1% and 5% from 530-550; garnet.

420-550

Owner:	Isle of Wight Geothermal #26	-3-	W# 5826 C# 220
Depth (feet)			
550-560	Sand - pale yellowish brovery coarse, subangular, shell fragments; garnets.	moderate sorting; 5	
560-580	Sand - light and dark grasubangular, moderate sort	7	· -
580-620	Sand - light and dark gra sparse clay; fine to coar subangular, moderate sort	se at 580-590 then	fine and coarse,
620-630	No Sample.		
630-650	Sand - pale yellow brown mostly with some fine and rare glauconite and shell	d coarse, subangular	the state of the s
650-660	No Sample.		
660-670	Sand - light and dark grasmaller grains, subangulashell fragments; garnet.	The state of the s	
670-680	Sand - light and dark grabrown (10YR 5/6); very coll glauconite and shell for	parse, subangular, m	
680-700	Sand - light and dark grasubangular, moderate sort garnet.		
700-710	No Sample.		
710-720	Sand - light and dark gracoarse, subangular, moder fragments; garnet.		
720-730	Sand - light and dark granules, subangular, poor shell fragments; garnet.		
730-740	No Sample.		

Owner:	Isle of Wight - Geothermal #26	4-	W# 5826 C# 220
Depth (feet)			
740-760	Sand - light and dark gray; smaller grains, subangular, 5-10% shell fragments; garn	well sorted; rare	
760-790	Sand - light and dark gray; at 760-770 and fine to gran at 760-770, poor for the re ments; garnet.	ule from 770-790;	subangular, moderate
790-800	Sand - light and dark gray; subangular, poor sorting; r garnet.		-
800-820	Sand - light and dark gray; subangular, moderate sortin garnet.		
820-830	No Sample.		
830-840	Sand - pale yellow brown (1 very coarse, subangular, mo shell fragments.		The state of the s
840-880	Sand - pale yellowish brown granule, subangular, modera and moderate at 770-780; rauntil 750-760 then 3%.	te sorting 740-750	0, poor at 750-770
880-890	Sand - mixed colors; abunda medium to very coarse, suba glauconite/shell fragments.	ngular, moderate	
890-900	Sand - pale yellowish brown very coarse, subangular, mo fragments.		
900-910	No Sample.		
910-920	Sand - pale yellowish brown coarse with some very coars glauconite/shell fragments.	e, subangular, mo	

granule, subangular with some angular, moderate sorting; rare glauconite/shell fragments; garnet.

Sand - pale yellowish brown (10YR 7/2); moderate clay, fine to

930-940 No Sample.

920-970

970-1018 No Sample. Logged by: J. K. Polzin October 20/21, 1980