API WELL NO	. 45 _ 105 _ 21186
	State County Permit
Date:	August 29 , 19 88
Operator's	
Well No.	8810

8810

VIRGINIA OIL AND GAS INSPECTOR Department of Labor & Industry Oil and Gas Section 205 W. Main Street Abingdon, Virginia 24210 Phone 703 628-8115

LE-161

#### CERTIFICATION OF LOCATION OF A NEW WELL

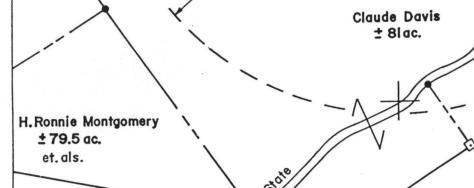
I, the undersigned, hereby certify that I am familiar with the well plat showing the permitted location of the new well authorized by Permit No. 1186 and that the well has been drilled in complicnace with the standard of Regulation 4.02 of the Regulations promulgated pursuant to the Virginia Oil and Gas Act, as follows:

> within three feet of the location as permitted in an area underlain by known coal seams identified by the Chief of the Division of Mines pursuant to Code of Virginia § 45.1-333, or

within ten feet of the location permitted other areas.

Final Location Moved 1.04' Southwest from the Permitted Location.

UNIT BOUNDARY



PVRC 8713

161,200.97 587,361.39

2

Claude Davis ± 45 ac.

CEMETERY

2

Oliver & Clytie

Lee

± 64.4 ac.

Nattie R. Lee ± 7ac.

**WELL 8810** 

158,500.58 588,034.68

EL.1705.46

S76°55'33"E

FINAL LOCATION

(FOR OFFICE	API Well	No.	45 -	-
(USE ONLY:		State	County	Permit
	Date:	8-	26-	, 1988
	Operator	's		
	Well No.		8810	

VIRGINIA OIL AND GAS INSPECTOR
DEPARTMENT OF LABOR AND INDUSTRY
DIVISION OF MINES
219 Wood Avenue
Big Stone Gap, Virginia 24219-1799
Phone 703-523-0335

#### WELL PLAT

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000. Latitude and longitude lines are represented by border lines as shown.

This plat is new\_\_/ updatedX/

This plat is \_\_\_/ is  $not_{\underline{X}}$  / based on a mine coordinate system established for the areas of the well location.

PENN VIRGINIA RESOURCES CORPORATION Well operator PO BOX 386 DUFFIELD, VIRGINIA Address Farm CLAUDE C. DAVIS Tract Acres ±81 Lease No. Elevation 1705.46 Quadrangle ROSE HILL County LEE District ROSE HILL Registered Engineer X Registration No. Certified Land Surveyor Cert. No File No. Drawing No. Scale 1'' = 400'Date 2/10/88

#### Certification of Well Plat

I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief, and shows all the information required by law and the regulations of the Virginia Well Review Board.

Registered Engineer or Certified Land Surveyor in Charge

AFI NO. 45 - 105 - 21186 WELL HAVE 8810

## VIRGINIA DIL AND GAS CONSERVATION GOARD Virginia Oil and Gas Inspector P. O. Box 1416 Abingdon, Virginia 24210 703 628-6115

LE-161

#### NOTICE OF COMPLETION OF A WELL UNDER ARTICLE 2

8 ×	
Fursuant to Regulation 2.02 of the Regulations under the Virginia Oil and Gas Act, applicable to, "each jurisdictional well completed or recompletedin a pay zone deeper than 3,000 feet from the surface", the undersigned well operator hereby notifies the Virginia Oil and Gas Conservation Board of the completion of the referenced well, as completion is defined in Regulation 1.02(4), on October 6, 1988 , in Rose Hill District, Lee County, Virginia as follows:	
country in ginta as instance	
X The completion was to perform all those acts which resulted in the well being capable of producing oil or gas The well proved to be incapable of commercial production, and was plugged and abandoned	
The undersigned will also file with the Inspector a Report of Completion of Well Work (Form 16) within the time period provided i	n
Regulation 4.06(a).	
Other well operators, if any, who have an interest in the well have been mailed a copy of this Notice. The masses and addresses of	
such other operators are typed below:	
99101112	
	7
	3
JAN1989	8
RECEIVED	
DIVISION OF	6111879
GAS & OIL	Y
2020202 D	7
29252625	
PALICANI: Penn Virginia Resources Corporation	
Y: William M. Ryan William M Ryan	
TS: Senior Petroleum Geologist	
DEFESS: P.O. Box 386, Duffield, VA 24244	
ELEPHONE: (703) 431-2831	

AFI NERSER: 45 - 105 - 21186
WELL NAME: 8810

VIRGINIA OIL AND GAS CONSERVATION EGARD Virginia Oil and Gas Inspector P. O. Box 1416 Abingdon, Virginia 24210 703 628-8115

## INITIAL TEST OF A WELL UNDER ARTICLE 2

completed (	o Regulation 2.02 (c) or recompletedin a ia Oil and Gas Conserv	pay zone deeper t	han 3,000 feet	from the surface	, the undersigne	d well operator	r hereby	reports to
in	Rose Hill	District, _	Lee		_ County, Virgin	ia.		
	of (i) the initial in names and addresses on				l gas/oil ratio t	est are set oul	t on the	following
					X		*	
3			•	i				
				. *	***			
			19			*		
*			2	*	*			
AFFLICANT _	Penn Virgini	a Resource	s Corpora	tion				
EY	William M. R	yan lale	lla	mily				
ITS	Senior Petro	leum Geolo	gist			-		
ADDRESS	P.O. Box 386	, Duffield	, VA 242	44		,		
TELEPHONE	(703) 431-283	31	•					

#1 MO. 45 - 105 - 21186 WEL MAYE: 8810 DATE January 10, 1989

Virginia Dil and Gas Inspector F. O. Box 1416 Abingdon, VA 24210 703 628-8115

## REPORT OF COMPLETION OF WELL WORK

	•	Regulations under the V	•	•		•	
completion of	the type(s) of well w	ork specified below on	the referenced	Hell in Ros	se Hill	Distri	ct
I	Lee	County, Virginia on 6	oth	day, Octobe	er	sonth, 19 88	3
					•		
WELL TYPE: Dil	/ Gas X / Enh	anced Recovery/ W	aste Disposal	/ If Gas-Proc	Suction x / Un	dercround Storage	e /
		5.1-300.B.1. from gener	The second secon	The state of the s			
	•	-					/
		/ Redrill/ Stimu				ate new formation	1 X_/
Flu	g/ Replug/	Other physical change	in well (specif	Α)			
The well work w	was done as shown in	the Appendix(es) applica	able to the type	(s) of well work	involved.		
4							
		ONFIDENTIALITY STATUS UN	VIDER CODE DE VIE	GINTA SECTION 45	1-332	•	-
•	-	The second control of	WENT CODE OF THE	OTHER OCCITOR TO	11 002		
M: n	antu dave from the fi	line of this report			•	•	
RIG	nety days from the fil	ing or this report					
						•	
	OR				•. •		
	44.000			÷ -			
X Tiko	years from O	ctober 6, 1988	, t	he date on which	the referenced w	ell was <u>complete</u>	d, the
K3]	1 being an explorator	y well as defined in Co	de of Virginia,	Section 45.1-28	6.21.		
AFPLICANT	Penn Virgini	a Resources Co	rnoration		•		
	_	· ·					
BY.		yan Wille	17	1.1101 -			
D:	William M. K	yan objecte	in 101	1 fee	*		
ITS	Senior Petro	leum Geologist					
ADDRESS	P.O. Box 386	Duffield, VA	24244	**			
TEL FEMONE	(702) /21_20	2.1					

Well	Mase	8810	8
File	Number	LE-161	

## COMPLETION REPORT

FRESH WATER AT (1) N/A FEET GPM: (2) FEET GPM  SOLI WATER AT (1) N/A FEET GPM: (2) FEET GPM  SOLI WATER AT (1) N/A FEET GPM: (2) FEET GPM  SOLI WATER AT (1) N/A FEET GPM: (2) FEET GPM  SOLI WATER AT (1) N/A FEET GPM: (2) FEET GPM  WAS GAS SHOWS:  FORMATION IDP BOTTOM THICKNESS YES NO KINED OUT  N/A  THEN GAS SHOWS:  FORMATION IDP SOTTOM THICKNESS IPF (KCED/BOPD) PRESSURE HOURS TESTED  TREND 2200 2220 20 Show 0:1 Not Gauged  Knox 3936 3944 8 30 Mc Fd Not Gauged  Knox 3936 3944 8 30 Mc Fd Not Gauged  STIPLLATION FECTRO  SOLI KNOX 3936 TO 3944 NO. OF PERFORATIONS 117 PERFORATION SIZE 34  GREATION ROKE DOWN AT 1800 FSIG EVERAGE INJURIES WITH SHITLIN FRESSURE 2978 FSIG  TIPLLATION RECORD  ONE (2) FORMATION STINLLATED WITH  ESPERATED TO NO. OF PERFORATIONS PERFORATION SIZE REPRODUCTION FROM DOWN IN PRESSURE PSIG  TIPLLATION RECORD  ONE (2) FORMATION STINLLATED WITH  ESPERATED TO NO. OF PERFORATIONS PERFORATION SIZE REPRODUCTION FOR THE PSIGE WERMS INJURIES WITH IN PRESSURE PSIGE  TIPLLATION FRESSURE FSIGE NUMBER OF THE STINLLATION FRESSURE PSIGE  TIPLLATION FRESSURE FSIGE REPRODUCTION SIZE REPRODUCT	WELL TYPE: Oil ( ) Gas Production ( X) Gas-Un	derground Storage ( ) Enhanced Recovery ( ) Waste Disposal ( )
SUFFREE ELEVATION   1705.46	LOCATION	
LATITUSE 14,000 'S 36° 42' 30" LONGITUSE 7,175 'S 83° 17' 30"  BERLLING DRIB  BRILLING COMMERCED 8-25-88  MATE BRILLING COMMERCED 9-7-88  MATE BRILLING COMMERCED 10-6-88  THE FARE REPORTED 10-6-88  THE FARE REPORTED 10-6-88  THE FARE REPORTED WELL 4041' STREET	COUNTY Lee	DISTRICT Rose Hill
DATE DRILLING COMPONED   8-25-88	SURFACE ELEVATION1705.46'	QUALKANGLE Rose Hill
DATE DRILLING COMPONED   8-25-88	LATITUDE _ 14,000 'S _ 36° 42' ' 30	D" LONGITUDE 7, 175 'S83°17' '_30" '
DATE DRILLING COMPACTED   8-25-88		8
DATE REPLIEND   10-6-88   TO-6-88   TELEPHONE NUMBER   304-344-8393   TELEPHONE NUMBER   304-344-83493   TELEPHONE NUMBER   304-344-83493   TELEPHONE NUMBER   304-344-83493		Delle the contraction Pay Pagentage
CEGLOGICAL DATA   TELEPHANE NUMBER   304-344-8393     TOTAL PEPTH OF COMPLETED WALL   4041'   RIG PYFE   X ROTHAY   CARLE TOOL		
		TELEPHONE NUMBER 304-344-8393
FRESH WATER AT (1) N/A FEET GPM: (2) FEET GPM  SOLI WATER AT (1) N/A FEET GPM: (2) FEET GPM  SOLI WATER AT (1) N/A FEET GPM: (2) FEET GPM  SOLI WATER AT (1) N/A FEET GPM: (2) FEET GPM  SOLI WATER AT (1) N/A FEET GPM: (2) FEET GPM  WAS GAS SHOWS:  FORMATION IDP BOTTOM THICKNESS YES NO KINED OUT  N/A  THEN GAS SHOWS:  FORMATION IDP SOTTOM THICKNESS IPF (KCED/BOPD) PRESSURE HOURS TESTED  TREND 2200 2220 20 Show 0:1 Not Gauged  Knox 3936 3944 8 30 Mc Fd Not Gauged  Knox 3936 3944 8 30 Mc Fd Not Gauged  STIPLLATION FECTRO  SOLI KNOX 3936 TO 3944 NO. OF PERFORATIONS 117 PERFORATION SIZE 34  GREATION ROKE DOWN AT 1800 FSIG EVERAGE INJURIES WITH SHITLIN FRESSURE 2978 FSIG  TIPLLATION RECORD  ONE (2) FORMATION STINLLATED WITH  ESPERATED TO NO. OF PERFORATIONS PERFORATION SIZE REPRODUCTION FROM DOWN IN PRESSURE PSIG  TIPLLATION RECORD  ONE (2) FORMATION STINLLATED WITH  ESPERATED TO NO. OF PERFORATIONS PERFORATION SIZE REPRODUCTION FOR THE PSIGE WERMS INJURIES WITH IN PRESSURE PSIGE  TIPLLATION FRESSURE FSIGE NUMBER OF THE STINLLATION FRESSURE PSIGE  TIPLLATION FRESSURE FSIGE REPRODUCTION SIZE REPRODUCT	TOTAL DEPTH OF COMPLETED WELL 4041	RIG TYPEX ROTARY CARLE TOOL
SALI WATER AT (1)   N/A   FEET   GPM: (2)   FEET   GPM	GEOLOGICAL DATA	
SALI WATER AT (1)   N/A   FEET   GPM: (2)   FEET   GPM	SECON MATER AT (1) N/A FEET CO.	(r. 12) ETET CON
NAME   TOP   BOTTOM THICKNESS   THE MINING IN ASSA	SALT WATER AT (1) N/A FEET COM	
N/A	101	· · · · · · · · · · · · · · · · · · ·
N/A	COAL SEAMS:	
DIL AND GAS SHEWS:   FORWATION   10P		THICKNESS YES MO MINED OUT
FORMATION   IOP   ROTTON   THICKNESS   IFF (MCFD/ROFD)   FRESSIRE   MOURS TESTED	N/A	*
	FORMATION         TOP         BOTTOM         THICK           Trenton         2200         2220         20	Show Oil Not Gauged
250,000 ScfN2, and 205 bbls. of Water  ERFORATED 3936 TO 3944 NO. OF PERFORATIONS 17 PERFORATION SIZE .34  OFFMATION BROKE DOWN AT 1800 PSI6 AVERAGE INJECTED RATE 10 bbl/m with 50 Q foalign  NITIAL SHUT IN PRESSURE 1610 PSI6 15 MINUTE SHUT IN PRESSURE 2978 PSI6  TIMULATION RECORD  ONE (2) FORMATION STINULATED WITH	STIMULATION RECORD	
FORMATION BROKE DOWN AT 1800 PSIG AVERAGE INJECTED RATE 10 bb1/m with 50 Q foalem nitial shut in pressure 1610 PSIG 15 MINUTE SHUT IN PRESSURE 2978 PSIG  TIMULATION RECORD  ONE (2) FORMATION STINULATED WITH  ENFORATED TO NO. OF PERFORATIONS PERFORATION SIZE RPM NITIAL SHUT IN PRESSURE PSIG  ORWATION BROKE DOWN AT PSIG AVERAGE INJECTED RATE PRIFORATION SIZE PRIFORATION STIRL SHUT IN PRESSURE PSIG  INAL PRODUCTION: ( ) NATURAL (X) AFTER STINULATION ROUTE SHUT IN PRESSURE PSIG  INAL PRODUCTION: ( ) NATURAL (X) AFTER STINULATION ROUTE SHUT IN PRESSURE PSIG  INAL PRODUCTION: ( ) NATURAL (X) AFTER STINULATION ROUTE SHUT IN PRESSURE PSIG	20E (1) Knox FORMAL 205 bbls. of V	TION STIMULATED WITH 20,000# 20/40 Sand
STATION BROKE DOWN AT   1800   PSIG   AVERAGE INJECTED RATE   10   bb1/m   with 50   0   foalign	EFFGRATED 3936 ID 3944 NO.	CF FERFORATIONS 17 PERFORATION SIZE 34
NITIAL SHUT IN PRESSURE 1610 PSIG 15 MINUTE SHUT IN PRESSURE 2978 PSIG  TIMULATION RECORD  ONE (2) FORMATION STIMULATED WITH  ENFORATED TO NO. OF PERFORATIONS PERFORATION SIZE PSIG AVERAGE INJECTED RATE PSIG NUMBERS PSIG  NITIAL SHUT IN PRESSURE PSIG  INAL PRODUCTION: ( ) NATURAL (X) AFTER STIMULATION  END NCFD HOURS TESTED ROCK PRESSURE HOURS TESTED  GNE (1) 60 Mcfd 6 hrs. 1000# 14	FORMATION BROKE DOWN AT1800 PSI	6 AVERAGE INJECTED RATE 10 bb1/m with 50 0 foakf
FORMATION STINULATED WITH  ERFORATED TO NO. OF PERFORATIONS PERFORATION SIZE  ORACTION GROKE DOWN AT PSIG AVERAGE INJECTED RATE BPM  NITIAL SHUT IN PRESSURE PSIG MINUTE SHUT IN PRESSURE PSIG  INAL PRODUCTION: ( ) NATURAL (X) AFTER STINULATION  BOD NCFD HOURS TESTED ROCK PRESSURE HOURS TESTED  GNE (1) 60 Mcfd 6 hrs. 1000# 14	INITIAL SHUT IN PRESSURE 1610 PSI	6 15 MINUTE SHUT IN PRESSURE 2978 FSIG
ENFORATED TO NO. OF PERFORATIONS PERFORATION SIZE  DRYATION GROKE DOWN AT PSIG AVERAGE INJECTED RATE BPM  NITIAL SHUT IN PRESSURE PSIG MINUTE SHUT IN PRESSURE PSIG  INAL PRODUCTION: ( ) NATURAL (X) AFTER STIMULATION  ROD NCFD HOURS TESTED ROCK PRESSURE HOURS TESTED  GNE (1) 60 Mcfd 6 hrs. 1000# 14	STIMULATION RECORD	*
INAL FRODUCTION: ( ) NATURAL (X) AFTER STIMULATION :  EOD NCFD HOURS TESTED ROCK PRESSURE HOURS TESTED  GNE (1) 60 Mcfd 6 hrs. 1000# 14	ONE (2)FORMAT	ION STIMMATED WITH
INAL FRODUCTION: ( ) NATURAL (X) AFTER STIMULATION :  EOD NCFD HOURS TESTED ROCK PRESSURE HOURS TESTED  GNE (1) 60 Mcfd 6 hrs. 1000# 14	PERFORATED IN NO	DE PEREDISATIONS PEREDISATION SIZE
INAL FRODUCTION: ( ) NATURAL (X) AFTER STIMULATION :  EOD NCFD HOURS TESTED ROCK PRESSURE HOURS TESTED  GNE (1) 60 Mcfd 6 hrs. 1000# 14	ORMATION EROKE DOWN AT PSI	6 AVERAGE INJECTED RATE BPM
INAL FRODUCTION: ( ) NATURAL (X) AFTER STIMULATION :  EOD NCFD HOURS TESTED ROCK PRESSURE HOURS TESTED  GNE (1) 60 Mcfd 6 hrs. 1000# 14	INITIAL SHUT IN PRESSURE PSI	6 MINUTE SHUT IN PRESSURE PSIG
GE (1) 60 Mcfd 6 hrs. 1000# 14		
PAE (0)	GRE (1) 60 Mcfd	6 hrs. 1000# . 14
INAL PRODUCTION IF GAS ZONES ARE CONTINUED MOFD HOURS TESTED PSIG HOURS TESTED	70%E (2)	

				37		
CASING AND TUBING						
	SIZE	<u>10P</u> <u>F0110</u>			FACKERS OR BRII KIND SIZE	DGE PLUGS SET AT
CONDUCTOR	20	0 50	) 50			*
CASING Circulated and Cemented to Surface	13 3/8	0 210.8	37 210.87		×	
WATER FROTECTION (Casing Set According						
to Section 45.1-334)	9 5/8	0 103	1034			
COAL PROTECTION (Casing Set According to Section 45.1-334)						
OTHER CACING AND			2			
OTHER CASING AND Tubing Left In Well	41/2	0 4001.4	2 4001.42			
LINERS Remaining in well					a ==	
			٠,			
OTHER used and not left					4 \$0 •	•
						-
Is the well underlain by		Yes X	No, If Yes, was	coal protection s	ring set to Re	ed Shales?
REMARKS: Shut down, fis	shing jobs, depths	and dates, cavin	g, etc.			
Caves at 419	9', 422', a	nd 481'	· ·			
	>			*:	,	
ORILLER'S LOG					*	
Compiled by <u>Willia</u>	nm M. Ryan	- ' '				
					·	
Seological Age Formation	General Lithology	Color	Depth Top Bot	ton Thicknes	ss [	Resarks

Fora 10, Appendix A, Sheet 2

8810

Well Name

Well 8810

Geological		General		Depth		
Age	Formation	Lithology	Color	Тор	Bottom	Thickness
Cambrian	Overthrust	Dolomite	Tan-gray	0'	626'	626'
Silurian	Clinton	Shale	Gray-green	626'	1060'	434'
Silurian	Clinch	Sandstone	White	1060'	1148'	88'
Silurian	Hagan	Shale	Gray	1148'	1208'	60'
Ordovician	Sequatchie	Silty Limestone	Red-gray	1208'	1484'	276 <b>'</b>
Ordovician	Reedsville	Lime/Shale	Gray	1484'	1824'	340'
Ordovician	Trenton	Limestone	Gray-brown	1824'	2377'	553 <b>'</b>
Ordovician	Egglestone	Limestone	Tan	2377 <b>'</b>	2500'	123'
Ordovician	Stones River	Limestone	Gray	2500 <b>'</b>	3610'	1110'
Ordovician	Knox	Limestone	Tan	3610'	4041'	431'

Fera 16, Appendix A Sheet 3	kell Wase 8810
Samples and Cuttings	
Will X Will not be furnished to	examination by a member of the Virginia Division of Mineral Resources the Virginia Division of Mineral Resources upon request be furnished by the Virginia Division of Mineral Resources
Electric Logs and Surveys:	
Type of Electric Log(s) Ran: LDT/SNP, DIL/C	GR, TEMP/AUDIO, LITH-CYBER,
Did log disclose vertical location of a coal seam?	Yes NoX_
Was log made at request of coal owner according to Se	ection 45.1-333.B.1 of the Virginia Code? · Yes NoX
Note: If a coal seam was located, the part of the su Section 45.1–333.8.3 of the Virginia Code	urvey from the surface through the coal is attached in accordance with
Deviation Surveys:	
Deviation surveys were were notX lowest published coal seam depth."	required under Section 45.1-333.C of the Virginia Code "to the bottom of the
Note: If a deviation survey(s) was/were required, the	e survey results are as follows:
Depth Feet/Degree Deviated Depth of Survey From True Vertical of Survey	
·	
·	
A continuous survey was was not	required, under Section 45.1-333.C of the Virginia Code.
Note: If a continuous survey was required, the survey	results are attached.
Changes in the Permitted Well Work:	
	ke any changes(s) in the permitted well work, verbally approved by the of the Regulations under the Virginia Oil and Gas Act, for the purpose of
MOTE: The nature and purpose of each such change, if a	any, is set out below or on additional sheets if such are required.
Confidentiality Status:	
Confidentiality status under Section 45.1-332 of the Vi	irginia Code:
The operator requests that information herein and log(s	s) be kept confidential (after <u>COMFLETION DATE</u> of the well) for a period of
Ninety (90) days  **Example 1   Ninety (90)   Ninety (90)	ioratory
- to capt	

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

#### INTERVAL SHEET

of 2

Well Repository No.: W- 72/7

Date rec'd:

Date Processed: 5-29-90 Sample Interval: from 450 to: 4030

PROPERTY: Claude C. Davis LE-161 Number of samples: 358

COMPANY: Penn VA. Resources Total Depth: 4030.

Oil or Gas: Water: Exploratory:

COUNTY: Lee

From-To	From-To	From-To	From-To	From-To
450 - 460	800 - 8/0	//50 = //60	1500 -1510	1850 <b>-</b> 1860
460 - 470	8/0 - 820	//60 = //70	1510 -1510	1860 <b>-</b> 1876
470 - 480	820 - 830	//70 = //80	1510 -1530	1870 <b>-</b> 1880
480 - 490	830 - 346	//80 = //90	1530 -1540	1880 <b>-</b> 1890
3490 - 500	840 - 350	1290 = //200	1540 -1530	1890 <b>-</b> 1900
500 = 5/0 5/0 = 5 zo 520 = 336 530 = 540 540 = 550	850 = 860 860 = 870 870 = 880 890 = 890	/200 = /2/0 /2/0 = /270 /270 = /230 /230 = /240 (240 = /250	1550. 7560 1560 - 1570 1570 - 1580 1580: -1590 1590 -1600	900 <b>-</b>  916  910 <b>-</b>  910  930 <b>-</b>  930  930 <b>-</b>  940  990 <del>-</del>  950
550 = 560	900 = 910	1250 = 1260	1600 = 1610	1950=1960
560 = 570	910 = 910	1260 = 1270	1610 = 1620	1960=1970
570 = 580	910 = 930	1270 = 1280	1620 = 1630	1970=1980
580 = 590	936 = 940	1280 = 1290	1630 = 1640	1980=1990
590 = 600	940 = 950	1290 = 1300.	1640 = 1650	1990=2000
600 = 6/0	950 = 960	/300 = /3/0	1650 = 1660	2000 <b>-</b> 2010
6/0 = 620	960 = 976	/3/0 = /320	1660 = 1676	2010 <b>-</b> 20 <b>3</b> 0
620 = 630	970 = 980	/370=/330	1676 = 1680	2020 <b>-</b> 2030
630 = 640	980 = 990	/330=/340	1680 = 1690	2030 <b>-</b> 2046
640 = 650	990 = 1000	/340=/350	1690 = 1700	2040 <b>-</b> 2050 .
650 = 660	1000 = 1010	1350 = 1360	/700 = 1710	2050=2060
660 = 670	1010 = 1020	1360 = 1370	/710 = /710	2068=2070
670 = 650	1020 = 1030	1370 = 1380	/710 = /730	2070=2080
680 = 690	1030 = 1040	1380 = 1390	/730 = /740	2080=2090
690 = 700	1040 = 1050	1390 = 1400	/740 = (750	2090=2100
700 = 710 710 = 720 720 = 730 730 = 740 740 = 750	1050 -1060 1060 -1070-NOS 1070 -1080 1080 -1090 1090 -1100	/426=/436 /436=/446 /440=/450	150 =   160   760 =   710   270 =   1780   180 =   190   190 =   800	3/00 = 21/0 21/0 = 21/20 21/20 = 21/30 21/36 = 21/40 21/40 = 21/50
750 = 760	1/00 = 1/10	450	1800 -1810	2150 = 2160
760 = 770	1/10 = 1/20		1810 -1820	2160 = 2170
770 = 750	1/20 = 1/30		1820 -1830	2170 = 2180
780 = 790	1/30 = 1/40		1830 -1840	2180 = 2190
790 = 800	1/40 = 1/50		1840 -1830	2190 = 2200

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

# INTERVAL SHEET Continued

Page $2$ of $2$			Well Repository No.	: W- 72/7	
From-To	From-To	From-To	From-To	From-To	
2200 - 2210 2210 - 2220 1220 - 2230 2230 - 2240 2240 - 2250	2600 - 2610 2610 - 2620 2610 - 2630 2630 - 2640 2640 - 2650	3000 - 3010 3010 - 3020 3010 - 3030 3030 - 3040 3040 - 3050	3 4 <i>0</i> 0-3410 3 410-3426 3 420-3436 3436-3446 3440-3450	3800 -3116 3810 -3810 3810 -3836 3830 -3840 3840 -3850	
2250 - 2260 2260 - 2270 2270 - 2280 2180 - 2290 2190 - 2300	2650 - 2660 2660 - 2670 2670 - 2680 2680 - 2690 2680 - 2700	3056 - 3060 3060 - 3010 3070 - 3090 3080 - 3090 3090 - 3100	3450_3460 3460-3470 3470-3480 3480-3490 3490-3500	3850 -3860 3860 -3870 3876 -3880 3880 -3890 3890 -3900	
2306 - 2310 2310 - 2320 2320 - 2330 2330 - 2340 2340 - 2350	2700_2710 2710 - 2720 2720 - 2730 2730 - 2740 2740- 2750	3100 -3116 3116 -3120 3120 -3136 3130 -3140 3140 - 3150	350 <sub>0</sub> - 3510 3516 - 3510 3516-3530 3530 - 3540 3540 - 3550	3960-3910 3910-3920 3920-3930 3936-3940 3940-3950	
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