

OIL AND GAS WELL
SUMMARY REPORT

API No. 45-169-21142 VDMR Well Rep. No. _____
DMQ File No. SC-26

Operator Penn Va Resources
Farm Dillon D. Baker
Co. Well No. 8714

County Scott Quadrangle Mendota-7 1/2'
Location (UTM) N4,055,330 ; E379,980 UTM Zone 17
(Lat. and Long.) _____

Field Early Grove Province Valley and Ridge
Elev. (specify) 1556.82' GR TD 4120 Form. at TD Price

Initial Flow - 3,925,000 cu.ft. Age Mississippian
Date compl. or abandoned Q March 11, 1988

Result Gas well
Gas Shows 3874-3892
Gas Pays _____

Main Production _____ Prod. Form. Price
Final Flow - 3,925,000 cu.ft. Age Mississippian

Treatment: none

Initial Production _____

Oil shows _____
Water FW yes at 50' at 1085' at _____
SH _____ at _____ at _____

Coal _____

Plat _____ Plotted _____ Completion Report
Drillers Log Geologic Log _____
Samples _____ Interval Sheet _____

Sample Interval _____
Remarks _____

Geophysical Logs S.P. _____ Res _____ Gamma _____ Neutron _____
Density _____ Sonic _____ Other _____

Stratigraphic Data Source William M. Ryan

Formation	Top	Datum (Subsea)	Thickness
<u>Cove Creek</u>	<u>0</u>	<u>+1556.82</u>	<u>212</u>
<u>Fido</u>	<u>212</u>	<u>+1344.82</u>	<u>56</u>
<u>Hopper</u>	<u>268</u>	<u>+1288.82</u>	<u>1022</u>
<u>St. Genevieve</u>	<u>1290</u>	<u>+266.82</u>	<u>1234</u>
<u>St. Louis</u>	<u>2524</u>	<u>-967.18</u>	<u>429</u>
<u>Little Valley</u>	<u>2953</u>	<u>-1396.18</u>	<u>917</u>
<u>Priel</u>	<u>3870</u>	<u>-2313.18</u>	<u>258</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Remarks _____

References _____

Released to Open File: Completion June 11, 1988
Samples None

(Note: UTM measurements in meters, all others in feet)

SC-26

PENN VA RESOURCES
GILBERT D. BAKER

8714

MENDOTA - 7 1/2'
EL. - 1556.82' GR.

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

6-10-88

NOTICE OF COMPLETION OF A WELL UNDER ARTICLE 2

Pursuant to Regulation 2.02 of the Regulations under the Virginia Oil and Gas Act, applicable to, "each jurisdictional well completed or recompleted...in 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 March 11, 1988, in Fulkerson District, Scott County, Virginia as follows:

- 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 in 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 names and addresses of such other operators are typed below:



APPLICANT: Penn Virginia Resources Corporation

BY: William M. Ryan *William M. Ryan*

ITS: Senior Petroleum Geologist

ADDRESS: P.O. Box 386, Duffield, VA 24244

TELEPHONE: (703) 431-2831

API NO. 45-169-21142
 WELL NAME: 8714
 DATE 3-11-88

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

REPORT OF COMPLETION OF WELL WORK

Pursuant to Regulation 4.06 of the Regulations under the Virginia Oil and Gas Act, the undersigned well operator reports completion of the type(s) of well work specified below on the referenced well in Fulkerson District
Scott County, Virginia on 11th day, March month, 19 88.

WELL TYPE: Oil ___ / Gas / Enhanced Recovery ___ / Waste Disposal ___ / If Gas-Production / Underground Storage ___ /
 Exempt by Code Section 45.1-300.B.1. from general Oil and Gas Conservation Law yes ___ / no /
 WELL WORK: Drill / Deepen ___ / Redrill ___ / Stimulate / Plug Off Old Formation ___ / Perforate New Formation /
 Plug ___ / Replug ___ / Other physical change in well (specify) _____

The well work was done as shown in the Appendix (es) applicable to the type(s) of well work involved.

CONFIDENTIALITY STATUS UNDER CODE OF VIRGINIA SECTION 45.1-332

Ninety days from the filing of this report

OR

Two years from _____, the date on which the referenced well was completed, the well being an exploratory well as defined in Code of Virginia, Section 45.1-288.21.

APPLICANT Penn Virginia Resources Corporation

BY William M. Ryan

ITS Senior Petroleum Geologist

ADDRESS P.O. Box 386, Duffield, VA 24244

TELEPHONE (703) 431-2831

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

INITIAL TEST OF A WELL UNDER ARTICLE 2

Fursuant to Regulation 2.02 (c) of the Regulations under the Virginia Oil and Gas Act, applicable to, "each jurisdictional well completed or recompleted...in a pay zone deeper than 3,000 feet from the surface", the undersigned well operator hereby reports to the Virginia Oil and Gas Conservation Board the initial tests of the referenced well, which was completed on March 11, 1988 in Fulkerson District, Scott County, Virginia.

The results of (i) the initial indicated potential flow test and (ii) the initial gas/oil ratio test are set out on the following form. The names and addresses of such other operators are listed below.

APPLICANT Penn Virginia Resources Corporation
BY William M. Ryan
ITS Senior Petroleum Geologist
ADDRESS P.O. Box 386, Duffield, VA 24244
TELEPHONE (703) 431-2831

COMPLETION REPORT

WELL TYPE: Oil () Gas Production (X) Gas-Underground Storage () Enhanced Recovery () Waste Disposal ()

LOCATION

COUNTY Scott

DISTRICT Fulkerson

SURFACE ELEVATION 1556.82'

QUADRANGLE Mendota

LATITUDE 10,500' S 36° 40'

LONGITUDE 2,700' S 82° 20'

DRILLING DATA

DATE DRILLING COMMENCED 2-18-88

DRILLING CONTRACTOR Clint Hurt & Associates

DATE DRILLING COMPLETED 3-3-88

ADDRESS P.O. Box 388, Elkview, WV 25071

DATE WELL COMPLETED 3-11-88

TELEPHONE NUMBER 304-344-2401

TOTAL DEPTH OF COMPLETED WELL 4113'

RIG TYPE X ROTARY _____ CABLE TOOL _____

GEOLOGICAL DATA

FRESH WATER AT (1) 50 FEET Unknown GPM: (2) 1085 FEET Unknown GPM
SALT WATER AT (1) N/A FEET _____ GPM: (2) _____ FEET _____ GPM

COAL SEAMS:

NAME	TOP	BOTTOM	THICKNESS	MINING IN AREA		
				YES	NO	MINED OUT
<u>N/A</u>						

OIL AND GAS SHOWS:

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
<u>Price</u>	<u>3874</u>	<u>3892</u>	<u>18</u>	<u>3,925</u>	<u>Not gauged</u>	<u>25</u>

STIMULATION RECORD

ZONE (1) Price FORMATION STIMULATED WITH Natural

PERFORATED _____ TO _____ NO. OF PERFORATIONS _____ PERFORATION SIZE _____
FORMATION BROKE DOWN AT _____ PSIG AVERAGE INJECTED RATE _____ BPM
INITIAL SHUT IN PRESSURE _____ PSIG MINUTE SHUT IN PRESSURE _____ PSIG

STIMULATION RECORD

ZONE (2) _____ FORMATION STIMULATED WITH _____

PERFORATED _____ TO _____ NO. OF PERFORATIONS _____ PERFORATION SIZE _____
FORMATION BROKE DOWN AT _____ PSIG AVERAGE INJECTED RATE _____ BPM
INITIAL SHUT IN PRESSURE _____ PSIG MINUTE SHUT IN PRESSURE _____ PSIG

FINAL PRODUCTION: (X) NATURAL () AFTER STIMULATION

ZONE	BOPD	MCFD	HOURS TESTED	ROCK PRESSURE	HOURS TESTED
<u>ZONE (1)</u>		<u>3,925</u>	<u>25</u>	<u>1180</u>	<u>168</u>

FINAL PRODUCTION IF GAS ZONES ARE COMINGLED _____ MCFD _____ HOURS TESTED _____ PSIG _____ HOURS TESTED

CASING AND TUBING

	SIZE	TOP	BOTTOM	LENGTH	PERFORATIONS FEET TO FEET	PACKERS OR BRIDGE PLUGS KIND SIZE SET AT		
<u>CONDUCTOR</u>	13 3/8"	0'-73'		73'				
<u>CASING</u> Circulated and Cemented to Surface	9 5/8"	0'-739'		739'				
<u>WATER PROTECTION</u> (Casing Set According to Section 45.1-334)	7"	0'-3200'		3200'				
<u>COAL PROTECTION</u> (Casing Set According to Section 45.1-334)								
<u>OTHER CASING AND</u> Tubing Left In Well								
<u>LINERS</u> Remaining in well								
<u>OTHER</u> used and not left								

Is the well underlain by Red Shales Yes No, If Yes, was coal protection string set to Red Shales?
 Yes No

REMARKS: Shut down, fishing jobs, depths and dates, caving, etc.

DRILLER'S LOG

Compiled by William M. Ryan

Geological Age	Formation	General Lithology	Color	Depth Top	Bottom	Thickness	Remarks
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***See Attached**

(ATTACH DRILLER'S LOG IN THIS FORMAT)

Well 8714

<u>Geological Age</u>	<u>Formation</u>	<u>General Lithology</u>	<u>Color</u>	<u>Depth</u>		<u>Thickness</u>
				<u>Top</u>	<u>Bottom</u>	
Mississippian	Cove Creek Lm.	Limestone	Gray	0'	212'	212'
Mississippian	Fido SS	Sandstone	Red	212'	268'	56'
Mississippian	Gasper LS	Limestone & Dolomite	Gray	268'	1290'	1022'
Mississippian	St. Genevieve	Limestone & Dolomite	Gray	1290'	2524'	1234'
Mississippian	St. Louis LS	Limestone & Dolomite	Black	2524'	2953'	429'
Mississippian	Little Valley Limestone	Limestone Dolomite Anhydrite Shale	Gray	2953'	3870'	917'
Mississippian	Price	Sandstone &	Gray	3870'	4120'	250'

Gas 3874'-3892'
3925 Mcf/d

Samples and Cuttings

Will Will not _____ be available for examination by a member of the Virginia Division of Mineral Resources
Will Will not _____ be furnished to the Virginia Division of Mineral Resources upon request
Will _____ Will not require sacks to be furnished by the Virginia Division of Mineral Resources

Electric Logs and Surveys:

Type of Electric Log(s) Ran: GR-Litho Density, Neutron, Induction, Temperature

Did log disclose vertical location of a coal seam? Yes _____ No N/A

Was log made at request of coal owner according to Section 45.1-333.B.1 of the Virginia Code? Yes _____ No N/A

Note: If a coal seam was located, the part of the survey from the surface through the coal is attached in accordance with Section 45.1-333.B.3 of the Virginia Code

Deviation Surveys:

Deviation surveys were _____ were not required under Section 45.1-333.C of the Virginia Code "to the bottom of the lowest published coal seam depth."

Note: If a deviation survey(s) was/were required, the survey results are as follows:

<u>Depth of Survey</u>	<u>Feet/Degree Deviated From True Vertical</u>	<u>Depth of Survey</u>	<u>Feet/Degree Deviated From True Vertical</u>	<u>Depth of Survey</u>	<u>Feet/Degree Deviated From True Vertical</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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:

The well operator did _____ did not make any changes(s) in the permitted well work, verbally approved by the Inspector or Assistant Inspector under Regulation 4.03 of the Regulations under the Virginia Oil and Gas Act, for the purpose of insuring successful completion of the well work.

NOTE: The nature and purpose of each such change, if any, is set out below or on additional sheets if such are required.

Confidentiality Status:

Confidentiality status under Section 45.1-332 of the Virginia Code:

The operator requests that information herein and log(s) be kept confidential (after COMPLETION DATE of the well) for a period of

Ninety (90) days
_____ (2) years, if the well is exploratory

SC-026

(FOR OFFICE USE ONLY: API Well No. 45 - -
State County Permit

Date: 2/22, 19 88

Operator's Well No. 8714

VIRGINIA OIL AND GAS INSPECTOR
DEPARTMENT OF LABOR AND INDUSTRY
DIVISION OF MINES
219 Wood Avenue
Big Stone Gap, Virginia 24219-1799
Phone 1703-523-0335

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 / updated X /

This plat is / is not X / based on a mine coordinate system established for the areas of the well location.

Well operator PENN VIRGINIA RESOURCES CORPORATION

Address P.O. BOX 386 DUFFIELD VA. 24244
Farm GILBERT D. BAKER AND JUDY A. BAKER 45-0320.00
Tract Acres 98.00 Lease No. 45-0321.00
Elevation 1559.93'
Quadrangle MENDOTA
County SCOTT District FULKERSON
Registered Engineer X Registration No. 11439
Certified Land Surveyor Cert. No.
File No. Drawing No.
Date 10-16-87 Scale 1" = 400'

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.

Gail J. Gembicki
Registered Engineer or Certified Land Surveyor
in Charge



10,500'

2,700'

Latitude 36° 40' 00"

Longitude 82° 20' 00"

10,500'

FINAL LOCATION

C. W. MILLER

GILBERT D. BAKER AND JUDY A. BAKER 50.00 AC.

GILBERT D. BAKER AND JUDY A. BAKER 98.00 AC.

UNIT BOUNDARY ± 81.00 AC.

M. GARDNER

M. GARDNER

DORA LOUDY

WELL 8714 EL. 1559.93'

1938'

S64-37-18 E 1237.12'

1635'

N80-06-44 E 2040.74'

11304 IRON PIN

11305 IRON PIN

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← UNIT BOUNDARY

EXISTING PRIVATE ACCESS ROAD

