

VIRGINIA OIL AND GAS CONSERVATION BOARD

Virginia Oil and Gas Inspector

P. O. Box 1416

Abingdon, Virginia 24210

703 628-8115

CONFIDENTIAL

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 August 31, 1988, in Gladeville District, Wise County, Virginia as follows:

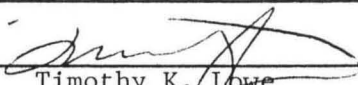
The completion was to perform all those acts which resulted in the well being capable of producing oil or gas

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: AMVEST Oil & Gas, Inc.

BY: 
Timothy K. Lowe

ITS: Senior Vice President

ADDRESS: 2537 Fourth Avenue East, Big Stone Gap, VA 24219

TELEPHONE: 703/523-4932

API NUMBER: 45 - 195 - 21177
WELL NAME: G-3 Glamorgan Coal CorporationVIRGINIA 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

Pursuant 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 August 31, 1988 in Gladeville District, Wise 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.

4 Hour Open Flow Test = 358 MCF

SIP = 860 PSIG/72 hrs.

APPLICANT AMVEST Oil & Gas, Inc.BY 

Timothy K. Lowe

ITS Senior Vice PresidentADDRESS 2537 Fourth Avenue East, Big Stone Gap, VA 24219TELEPHONE 703/523-4932

API NO. 45 - 195 - 21177
 WELL NAME: G-3 Glamorgan Coal Corporation
 DATE _____

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 Gladeville District
Wise County, Virginia on 31st day, August month, 19 88.

WELL TYPE: Oil ___ / Gas X / Enhanced Recovery ___ / Waste Disposal ___ / If Gas-Production X / Underground Storage ___ /
 Exempt by Code Section 45.1-300.B.1. from general Oil and Gas Conservation Law yes ___ / no X /
 WELL WORK: Drill X / Deepen ___ / Redrill ___ / Stimulate X / Plug Off Old Formation ___ / Perforate New Formation X /
 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

X Two years from August 31, 1988, 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 AMVEST Oil & Gas, Inc.

BY 
Timothy K. Lowe

ITS Senior Vice President

ADDRESS 2537 Fourth Avenue East, Big Stone Gap, VA 24219

TELEPHONE 703/523-4932

COMPLETION REPORT

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

LOCATION

COUNTY Wise, Virginia

DISTRICT Gladeville

SURFACE ELEVATION 2610'

QUADRANGLE Pound 7 1/2"

LATITUDE 9700' S 37 02 30

LONGITUDE 11,800'W 82 32 30

DRILLING DATA

DATE DRILLING COMMENCED July 12, 1988

DRILLING CONTRACTOR Great Western Drilling Co.

DATE DRILLING COMPLETED July 28, 1988

ADDRESS Charleston, WV

DATE WELL COMPLETED August 31, 1988

TELEPHONE NUMBER 304-344-8393

TOTAL DEPTH OF COMPLETED WELL 6,175'

RIG TYPE x ROTARY CABLE TOOL

GEOLOGICAL DATA

FRESH WATER AT (1) 175 FEET TSTM GPM: (2) 633' FEET 1/4" stream GPM
SALT WATER AT (1) None FEET TSTM GPM: (2) FEET GPM

COAL SEAMS: NAME	TOP	BOTTOM	THICKNESS	MINING IN AREA		
				YES	NO	MINED OUT
Dorchester Coal	524	529	5'	x		No
Norton Coal	633	636	3'	x		No
Raven Coal	1550	1552	2'		x	No

OIL AND GAS SHOWS:						
FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/60F)	PRESSURE	HOURS TESTED
Greenbrier LS	4120	4772		TSTM		

STIMULATION RECORD

ZONE (1) Devonian-L.Huron Shale FORMATION STIMULATED WITH 349 bbls. water, 744,000
SCF Nitrogen + 50,000 lbs. 20-40 Sand
PERFORATED 5766 TO 5854 NO. OF PERFORATIONS 30 PERFORATION SIZE .49"
FORMATION BROKE DOWN AT 2380' PSIG AVERAGE INJECTED RATE 19.7 GPM
INITIAL SHUT IN PRESSURE 1887 PSIG 15 MINUTE SHUT IN PRESSURE 1410 PSIG

STIMULATION RECORD

ZONE (2) Devonian-Cleveland Shale FORMATION STIMULATED WITH 322 bbls. water, 670,000
GCF-Nitrogen, + 50,000 lbs. 20-40 Sand
PERFORATED 5188 TO 5284 NO. OF PERFORATIONS 30 PERFORATION SIZE .49"
FORMATION BROKE DOWN AT 2489 PSIG AVERAGE INJECTED RATE 19.6 GPM
INITIAL SHUT IN PRESSURE 1891 PSIG 15 MINUTE SHUT IN PRESSURE 1550 PSIG

FINAL PRODUCTION: () NATURAL (x) AFTER STIMULATION

	BOC	MCFD	HOURS TESTED	ROCK PRESSURE	HOURS TESTED
ZONE (1)					
ZONE (2)					
FINAL PRODUCTION IF GAS ZONES ARE COMINGLED		<u>358</u>	<u>4</u>	<u>860</u> PSIG	<u>72</u> 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	36'	36'	-	-	-	-
<u>CASING</u> Circulated and Cemented to Surface	10 3/4" 7"							
<u>WATER PROTECTION</u> (Casing Set According to Section 45.1-334)	10 3/4"	0	752'	752'	-	-	-	-
<u>COAL PROTECTION</u> (Casing Set According to Section 45.1-334)	7"	0	3996'	3996'	-	-	-	-
<u>OTHER CASING AND</u> Tubing Left In Well	4 1/2"	0	6008'	6008';	5766-5854	-	-	-
	2 3/8"	0	5796'		5188-5284	-	-	-
<u>LINERS</u> Remaining in well	None							
<u>OTHER</u> used and not left	None							

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.

None

DRILLER'S LOG

Compiled by Bruce A. Prather, Consultant

Geological Age	Formation	General Lithology	Color	Depth Top	Bottom	Thickness	Remarks
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(ATTACH DRILLER'S LOG IN THIS FORMAT)

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: Schlumberger DIL-FDC-SNP-TEMP-GR
Schlumberger - Cyberlook

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

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

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:

Depth of Survey	Feet/Degree Deviated From True Vertical	Depth of Survey	Feet/Degree Deviated From True Vertical	Depth of Survey	Feet/Degree Deviated From True Vertical
505'	1°	2907	2°	5806	4°
1193'	1 1/2°	3650	2°	6175	4 1/4°
1442'	1 3/4°	4673	2°		
1941'	1°	5106	3°		
2409'	1°	5566	4°		

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
 two (2) years, if the well is exploratory

DRILLER'S LOG G-3

<u>Geological Age</u>	<u>Formation</u>	<u>Lithology</u>	<u>Color</u>	<u>Depth</u>		<u>Thk</u>	<u>Remarks</u>
				<u>Top</u>	<u>Bottom</u>		
Pennsylvania	Norton Fm.	shale, sand, coal		0	1350'	1350'	
	Lee Fm.	shale, sand, coal		1350'	2830'	1480'	
Mississippian	Mauch Chunk Fm.	shale, sand, ls.		2830'	4230'	1400'	
	Greenbriar Fm.	limestone		4230'	4730'	500'	
	Price Fm.	sand & shale		4730'	5170'	440'	
Devonian	Devonian shales	shale		5170	6160'	990'	
Silurian	Corniferious Lm.	limestone		6160'	6175'TD	15'	

WELL LOCATION MAP

WELL NO. G-3

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines as shown.

WS 268

COMPANY AMVEST Oil & Gas, Inc.

ADDRESS 2537 Fourth Avenue, East

Big Stone Gap, VA 24219

WELL NAME _____

FARM Glamorgan Coal Land Limited Partnership

TRACT 105

LEASE NO. GP-1 ELEVATION 2614.28'

ACRES 667.21 QUADRANGLE Pound, VA

COUNTY Wise, VA DISTRICT Roberson

REG. ENGINEER _____ REG. NO. _____

CERT. LAND SURVEYOR X CERT. NO. 1570

FILE NO. _____ DRAWING NO. 5-88-JWC-G3

DATE 5-19-88 SCALE 1" = 400'

This plat is X new _____ updated

This plat X is _____ is not based on a mine

coordinate system established for the areas

of the well location.

CERTIFICATION OF WELL PLAT

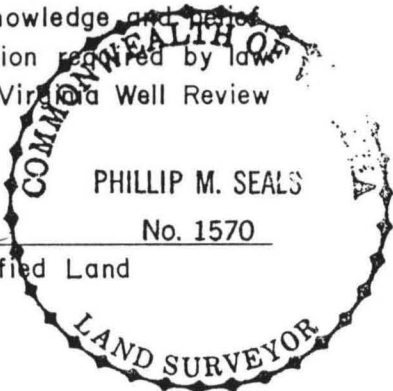
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations of the Virginia Well Review Board.

Phillip M. Seals

PHILLIP M. SEALS

No. 1570

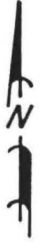
Registered Engineer or Certified Land Surveyor in Charge



11,810'

Latitude 37°02'30"

0 1 2 3



Glamorgan Independent
Grid Meridian

1

2

3

TR. 107
G.C.L.L.P.

DORCHESTER SEAM
MINED OUT & ABANDONED

TR. 67

Glamorgan Coal Land Limited
Partnership
FEE

DRILL HOLE in RK.
S 33°48'53.5" E
208.819'

I.P.
S 16°18'25" W
382.328'

Birchfield
Creek

Existing

Access
Road

TR. 105
G.C.L.L.P.
FEE

TR. 68
G.C.L.L.P.

635

636

636

Longitude 82°32'30"

9,710'

Well site Coordinates:

12,800.15
6,511.92

WS-268