

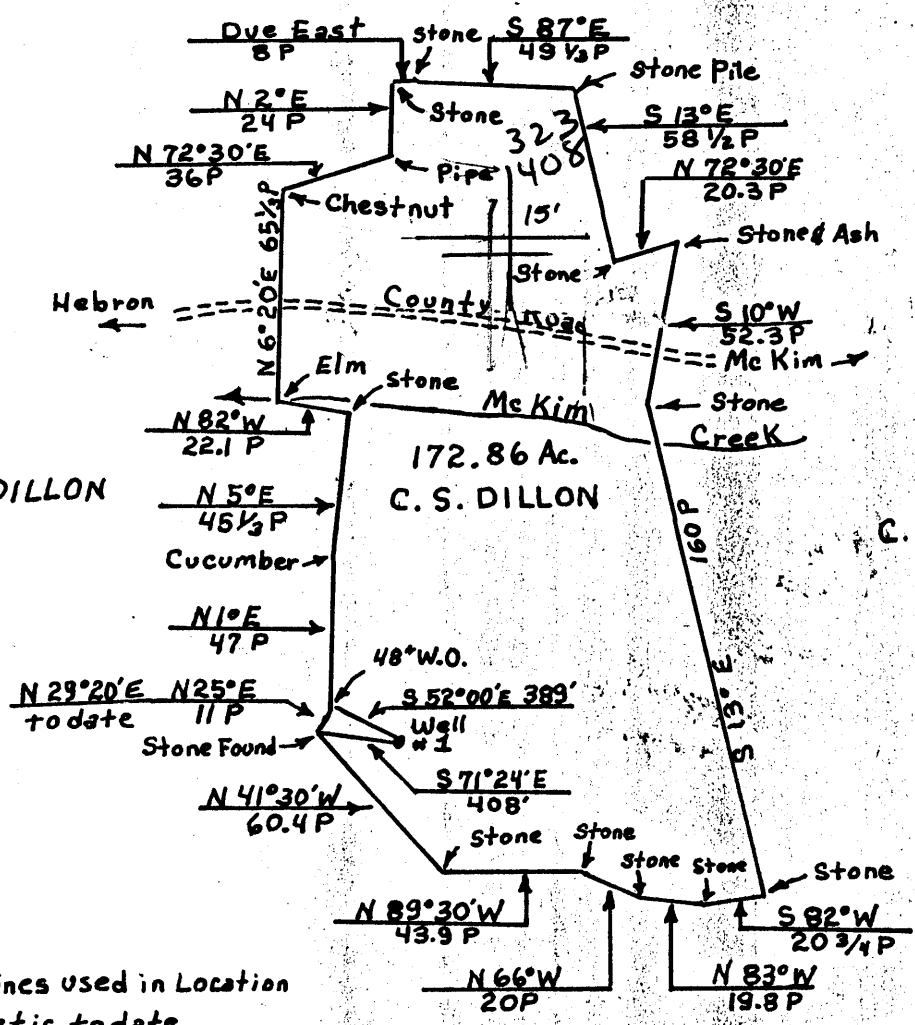
June 6/16/88

9820

LATITUDE 39° 22' 30" (15') 39° 25'

LONGITUDE 80° 57' 30" (15') 80° 55'

+ 7 1/2' 0355 1840
C.S. DILLON



LEGEND

Surveyed Lines
N 25° E 11 P
Well Location =

C.S. DILLON

OWNERSHIP

No Coal
Minerals:
Surface: C.S. DILLON
Address:

NOTE:
All Lines used in Location
Magnetic to date.

HANLIN

Minimum Error of Closure 1:200

Source of Elevation U.S.C.G.S. B.M. 826 Mc Kim, W. Va.

In Wing wall of Bridge Abutment

Fracture..... - 6/16/88
New Location.....
Drill Deeper.....
Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: *William F. Woodburn*
Squares: N S E W

Map No.

Company Drilling Appalachian Corporation
 Address P.O. Box 99 - Alma, W.Va. 26320 311
 Attn: Loren Bagley
 Farm C.S. DILLON (POLING)
 Tract _____ Acres 172.86 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1087.0 133 1103.4
 Quadrangle Pennsboro 539 7 1/2 WEST UNIONS WC
 County Tyler District Meade 4
 Engineer William F. Woodburn
 Engineer's Registration No. PE 5404
 File No. _____ Drawing No. _____
 Date MAY 20, 1980 Scale 1" = 1000'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP

FILE NO. 095-0806 - FRAC

+ Denotes location of well on United States Topographic Maps, scale 1 to _____, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing. BENSON 5200'

JUN 21 1988

- 0WWD - 5-0 Shitoh - Wick (086)

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: DILLON, C. S. Operator Well No.: FOLING 1

LOCATION: Elevation: 1103.00 Quadrangle: PENNSBORO

District: MEADE County: TYLER
Latitude: 1860 Feet South of 39 Des. 22Min. 30 Sec.
Longitude 9820 Feet West of 80 Des. 57 Min. 30 Sec.

Company: DRILLING APPALACHIAN CORP
P. O. BOX 99
ALMA, WV

Agent: KENNETH R. MASON

Inspector: GLEN F. ROBINSON
Permit Issued: 06/16/88
Well work Commenced: 6-28-88
Well work Completed: 6-29-88
Verbal Flushing
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 5134
Fresh water depths (ft) NONE

Salt water depths (ft) NONE
Is coal being mined in area (Y/N)? N
Coal Depths (ft): NONE

Casings & Tubing Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
4 1/2"		5134	

RECEIVED
JAN 30 1989
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation OHIO SHALE Pay zone depth (ft) 4997
 Gas: Initial open flow 45 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 15 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 250 psig (surface pressure) after 24 Hours

Second producing formation NONE Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: DRILLING APPALACHIAN CORP. ^{Feb} 14-1989
By: Richard A. Brown, geologist
Date: 1-25-1989

TAILS OF COMPLETION

PERFORATED AT 4997-5001' with 12 SHOTS (.39")

FRACTURED 6/28/1988

with 250 gallons 15% HCl

150,000 SCF NITROGEN

ISIP = 900 PSI

5 MINUTE SIP = 700 PSI

RECEIVED

JAN 30 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1238

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JUN 16 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: June 10, 1988
2) Operator's well number #1 Poling
3) API Well No: 47 - 095 - 0806 - FRAC.
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name C.S. Dillon
Address St Rt 2
St. Marys, West Virginia
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Robert Lowther
Address General Delivery
Middlebourne, Wva. 26149
Telephone (304)-758-4764

5) (a) Coal Operator:
Name none
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
 Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
 Personal Service (Affidavit attached)
_____ Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Drilling Appalachian Corporation
By: [Signature]
Its: Vice President
Address P.O. Box 99
Alma, W Va. 26320
Telephone (304) 758-4638

Subscribed and sworn before me this 9th day of June, 1988

[Signature] Notary Public
My commission expires February 11, 1997

FORM WW-2B

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

14425, 4, 538
311

- 1) Well Operator: DRILLING APPALACHIA CORPORATION (DAC)
- 2) Operator's Well Number: # 1
- 3) Elevation: 1103'
- 4) Well type: (a) Oil or Gas
 (b) If Gas: Production Deep Underground Storage Shallow
- 5) Proposed Target Formation(s): BENSON SAND 435
- 6) Proposed Total Depth: 5134 feet
- 7) Approximate fresh water strata depths: 90
- 8) Approximate salt water depths: 1100
- 9) Approximate coal seam depths: NONE
- 10) Does land contain coal seams tributary to active mine? Yes No
- 11) Proposed Well Work: STIMULATE BENSON SAND FOR PRODUCTION
- 12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	10"		26	10	0	NONE
Fresh Water						
Coal						
Intermediate	7 7/8"	J 55	17	1800	1800	SURFACE
Production	4 1/2"	J 55	10 1/2 #/FT	5126'	5126	3400'
Tubing						
Liners						

PACKERS : Kind NONE
Sizes _____
Depths set _____

RECEIVED
JUN 16 1988

7238

For Division of Oil and Gas Use Only

Fee(s) paid: 2793 Well Work Permit 14 Reclamation Fund 14 WP
 Plat 14 WW-9 14 WW-2B 14 Bond 50 Blanket Ag
 (Type)

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's C.S. Dillon
Well No. (Foling #1)

API Well No. 47 - 095-0806-R
State County Permi

WELL TYPE: Oil XI / Gas XI /
(If "Gas", Production XI / Underground storage ___ / Deep ___ / Shallow ___ /)

LOCATION: Elevation: 1097' Watershed: McKin Creek
District: Roade County: Tyler Quadrangle: Pennsboro 7.5 min.

WELL OPERATOR Security Gas & Oil, Inc.
Address 417 1/2 Second Street
St. Marys, WV 26170

DESIGNATED AGENT Frank E. Pettit
Address 417 1/2 Second Street
St. Marys, WV 26170

OIL & GAS ROYALTY OWNER C.S. Dillon
Address Box 175
St. Marys, WV 26170

COAL OPERATOR none
Address _____

Acreage 172.36

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER SARS
Address _____
Acreage _____

Name none
Address _____

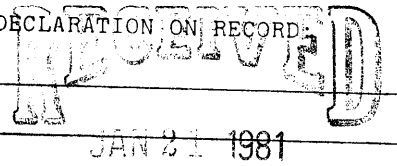
FIELD SALE (IF MADE) TO:
Name none
Address _____

Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip Tracey
Address Middlebourne, WV

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

OIL & GAS DIVISION
DEPT. OF MINES



The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease XI / other contract ___ / dated August 1, 19 79, to the undersigned well operator from C.S. Dillon

[If said deed, lease, or other contract has been recorded:]

Recorded on Sept. 5, 19 81, in the office of the Clerk of the County Commission of Tyler County, West Virginia, in Deed Book 220 at page 555. A permit is requested as follows:

PROPOSED WORK: Drill ___ / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___ /
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Security Gas & Oil, Inc.
Well Operator

By Frank E. Pettit
Its Vice-President of Appalachia

BLANKET BOND

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Little Swiss Drilling Co.

Address P.O. Box P

Buckhannon, WV

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well, 5200 feet Rotary X/ Cable tools /

Approximate water strata depths: Fresh, 350 feet; salt, 2000 feet.

Approximate coal seam depths: none Is coal being mined in the area? Yes / No X/

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well			
Conductor	16"	E40	381bs		X	20 ft			Kinds	
Fresh water										
Coal									Sizes	
Intermediate	8 5/8	E40	20	X			1187	To surf.		
Production	4 1/2	J55	10 1/2	X			5200	To surf.	Depths set	
Tubing	2"	eu	5.2	X			5200			
Liners									Perforations:	
									Top	Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is included in the application for the permit. **THIS PERMIT MUST BE POSTED AT THE WELL SITE** in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations ~~have not commenced~~ by 2-6-81.

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19____

By _____

Its _____

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's
Well No. C.S. Dillon #1
API Well No. (POLING) 095 806
State County Permi

WELL TYPE: Oil X / Gas X /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow ___ /)
LOCATION: Elevation: 1087.0 Watershed: MCKim Creek
District: Meade County: Tyler Quadrangle: Pennsboro 7.5

WELL OPERATOR Security Gas & Oil Inc
Address 417 1/2 Second Street
St. Marys, WV 26170

DESIGNATED AGENT Frank E. Pethtel
Address 417 1/2 Second Street
St. Marys, WV 26170

OIL & GAS ROYALTY OWNER C.S. Dillon
Address Box 175
St. Marys, WV 26170

COAL OPERATOR none
Address _____

Acreage 172.86
SURFACE OWNER same
Address _____
Acreage _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Name none
Address _____

Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip Tracey
Address Middlebourne, WV

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated August 1, 1979, to the undersigned well operator from C.S. Dillon
[If said deed, lease, or other contract has been recorded:]

Recorded on Sep't 5, 1979, in the office of the Clerk of the County Commission of Tyler County, West Virginia, in Deed Book 220 at page 555. A permit is requested as follows:

PROPOSED WORK: Drill ___ / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___ /
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

RECEIVED

Security Gas & Oil Inc
Well Operator

BLANKET BOARD

JUN 4 1980

By Frank E. Pethtel
Its Vice-President of Appalachian Region

OIL & GAS DIVISION
DEPT. OF MINES

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311

TELEPHONE: (204) 248-2000

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Little Swiss Drilling Company

Address P.O. Box P
Buckhammon, WV

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well, 5500 feet Rotary XX / Cable tools /

Approximate water strata depths: Fresh, 350 feet; salt, 2000 feet.

Approximate coal seam depths: none Is coal being mined in the area? Yes / No XX /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	16"	H40	381bs		XX	20 ft.			Kinds
Fresh water									
Coal									Sizes
Intermediate	3 5/8	H40	201bs	XX			1187	<i>to surface</i>	
Production	4 1/2"	J55	10 1/2 lbs	XX			5500	720 sacks	Depths set
Tubing	2"	eue	5.21bs	XX			5500		
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well or drilling or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE
All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling renewed. This permit shall expire if operations have not commenced by 9-26-81.

J. J. Murray
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19_____

By _____
Its _____



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS
1615 Washington Street, East
Charleston, West Virginia 25311
Telephone: 348-3500

FYI

ARCH A. MOORE, JR.
Governor

September 9, 1985

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Dear Mr. Ray G. Miller, Pres.

As designated agent/ or operator you have previously been notified on 8/27/85 and again on 9/4/85 that the wells of Security Gas and Oil Inc. which is permitted as Nos. See Below located on the Attached Sheet tract, near McKim Creek, Meade District, Tyler County, West Virginia, is in violation of West Virginia Code 22B-1-30 & 7:05 and the regulations promulgated thereunder due to Failure to reclaim well sites within (6) mos. after drilling completed. No Identifications by API Numbers.

Now, therefore, take notice that the bond covering said well shall be forfeited as is required by West Virginia Code 22B-1-26 (h) if an agreement satisfactory to the Director is not reached within 15 days from receipt of this notice.

A copy of this notice is being sent by Certified Mail to the Surety on the bond which covers this permit.

If you have any questions concerning this notice, please contact the Division of Oil and Gas of the Department of Energy.

Respectively,

Director, Division Oil & Gas

cc: Surety - National Grange Mutual Insurance Company
Office of Attorney General, Environmental Protection Division
District Inspector

In Re: 095-0736 / 0737 / 0754 / 0806 / 0807 / 0835 / 0836 / 0837
095-0838 / 0840 / 0841 also (1) Pleasant County well 073-0796