



1) Date: 3/9, 19 84
 2) Operator's Well No. 1
 3) API Well No. 47 - 013 - 3707
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
 5) LOCATION: Elevation: 820' Watershed: Lemuels Run
 District: Sheridan County: Calhoun Quadrangle: Annamorhah 7.5
 6) WELL OPERATOR Francis E. Cain 7) DESIGNATED AGENT Francis E. Cain
 Address P. O. Box 80 Address P. O. Box 80
Bigbend, WV 26136 Bigbend, WV 26136
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Deo Mace Name Francis E. Cain
 Address Rt. 1, Box 5 Address P. O. Box 80
Sandridge, WV 25274 Bigbend, WV 26136
 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Berea
 12) Estimated depth of completed well, 2500' feet
 13) Approximate trrata depths: Fresh, 180 feet; salt, 1610 feet.
 14) Approximate coal seam depths: -- Is coal being mined in the area? Yes No

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 OIL & GAS DIVISION
 DEPT. OF MINES

CASING OR TUBING TYPE	Size	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
		Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	10 3/4					275	275	100	CTS NEAT
Coal									Sizes
Intermediate	8 5/8					920			
Production	7					1700			Depths set
Tubing	4 1/2					2400	2400	100	SKS OR AS REQ. BY
Liners									Perforations: RULE 15.01
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-013-3707 Date April 5, 1984

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires April 5, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>SB</u>	Agent: <u>lo</u>	Plat: <u>MU</u>	Casing: <u>MU</u>	Fee: <u>7790</u>
-----------------	------------------	-----------------	-------------------	------------------

[Signature]
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.



OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) WELL LOCATION: _____

2) WELL OPERATOR: _____

3) DESIGNATED AGENT: _____

4) DRILLING CONTRACTOR: _____

5) PROPOSED WELL WORK: _____

6) GEOLOGICAL TARGET FORMATION: _____

7) APPROXIMATE TARGET DEPTH: _____

8) APPROXIMATE TARGET DEPTH: _____

9) APPROXIMATE TARGET DEPTH: _____

10) APPROXIMATE TARGET DEPTH: _____

11) APPROXIMATE TARGET DEPTH: _____

12) APPROXIMATE TARGET DEPTH: _____

13) APPROXIMATE TARGET DEPTH: _____

14) APPROXIMATE TARGET DEPTH: _____

15) APPROXIMATE TARGET DEPTH: _____

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MAR 13 1984

DEPT. OF MINES

OIL & GAS DIVISION

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

Board	Agent	Plan	Casing	Log
_____	_____	_____	_____	_____

12/08/2023

1) Date: March 9, 1984
2) Operator's Well No. 1
3) API Well No. 47-013-3707
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Wilburt Kirby
Address Mt. Zion, WV 26151

(ii) Name _____
Address _____

(iii) Name _____
Address _____

5(i) COAL OPERATOR none
Address _____

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

Name _____
Address _____

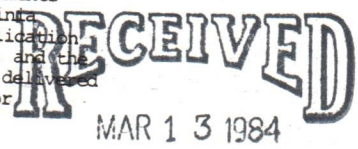
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.



OIL & GAS DIVISION
DEPT. OF MINES

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Sharron Sue Williams
this 28 day of February, 19 84.

My commission expires 12/11/89, 19 89.

Sharron Sue Williams
Notary Public, Calhoun County,
State of West Virginia

WELL OPERATOR Francis E. Cain

By Francis E. Cain
Its Agent & Operator
Address P. O., Box 80
Bighend, WV 21636
Telephone 354-7812

12/08/2023

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
-----------------------	-----------------------	---------	-----------



IV-9
(Rev 8-81)

DATE March 6, 1984
WELL NO. 1
API NO. 47 - 013 - 3707

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Francis E. Cain DESIGNATED AGENT Same
Address P. O. Box 80, Bigbend, WV Address _____
Telephone (304)-354-7812 Telephone _____
LANDOWNER Wilburt Kirby SOIL CONS. DISTRICT Little Kanawha
Revegetation to be carried out by Francis E. Cain (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections
and additions become a part of this plan: 3-7-84 (Date)

Jarrett Newton
(SCD Agent)

RECEIVED
MAR 13 1984

ACCESS ROAD

LOCATION OIL & GAS DIVISION
DEPT. OF MINES

Structure Drainage Ditch (A)
Spacing _____
Page Ref. Manual 2:1
Structure 16" Culbert (B)
Spacing _____
Page Ref. Manual 2-12
Structure Rip Rap (C)
Spacing Stone & Wood
Page Ref. Manual 2-9

Structure Drainage ditch (1)
Material Iron
Page Ref. Manual 2-12
Structure 16" Culvert (2)
Material Iron
Page Ref. Manual 2-12
Structure 6" Tile (3)
Material Plastic
Page Ref. Manual Location to pit

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I & II
Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 400 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* KY 31 40 lbs/acre
Annual Rye grass 20 lbs/acre
_____ lbs/acre

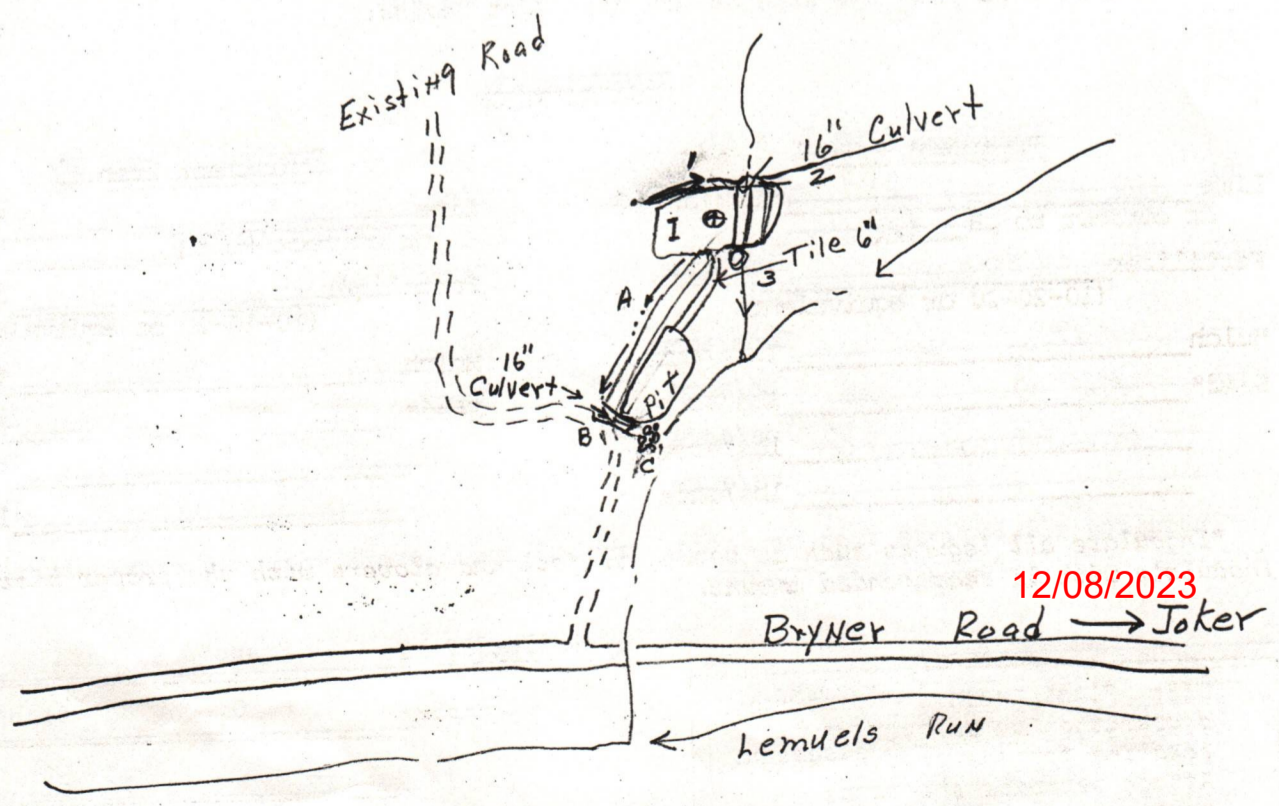
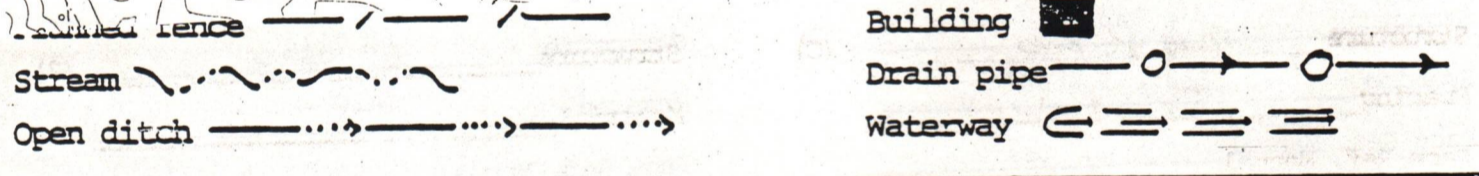
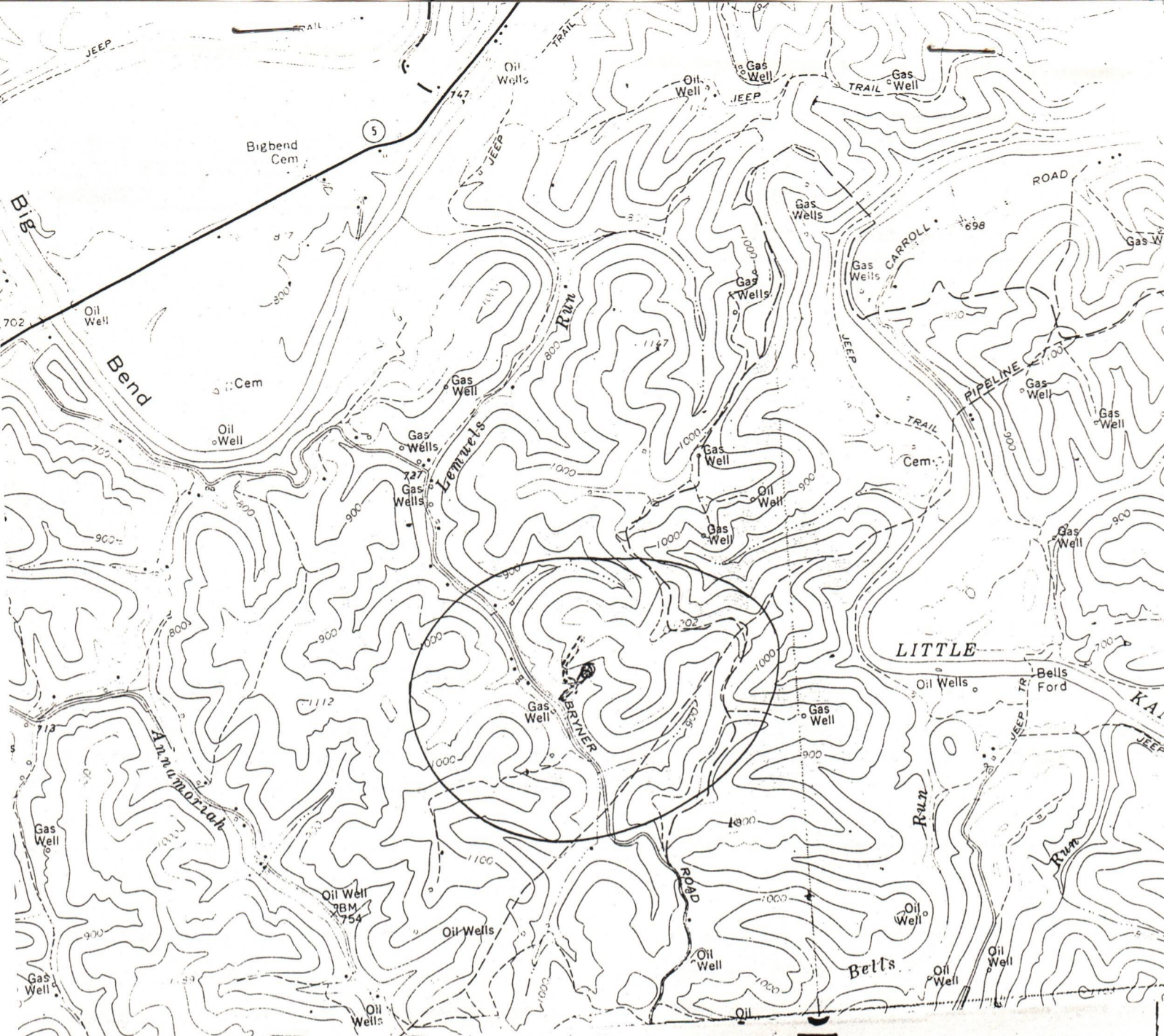
Treatment Area II
Lime _____ Tons/acre
or correct to pH _____
Fertilizer _____ lbs/acre
(10-20-20 or equivalent)
Mulch _____ Tons/acre
Seed* _____ lbs/acre
_____ lbs/acre
_____ lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

127082023

PLAN PREPARED BY Francis E. Cain
ADDRESS P. O. Box 80, Bigbend, WV
Francis E. Cain
PHONE NO. 354-7812

NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.



AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF West Virginia,
COUNTY OF Calhoun :

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form IV-2(A) ^x / Form IV-3(A) / Form IV-4(A) /
- (2) Application on Form IV-2(B) ^x / Form IV-3(B) / Form IV-4(B) /
- (3) Plat showing the well location on Form IV-6, and
- (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)

--all with respect to operator's Well No. 1 located in Sheridan District, Calhoun County, West Virginia, upon the person or organization named--

WILBURT KIRBY

RECEIVED

--by delivering the same in Calhoun County, State of W. Va. on the 9th day of April, 1984 in the manner specified below.

MAR 13 1984

OIL & GAS DIVISION

DEPT. OF MINES

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

[] Handing it to him ^x / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.

[] Handing it to a member of his or her family above the age of 16 years named _____ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

[] Handing it to _____, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

[] Handing it to the general partner, named _____, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

[] Handing it to the corporation's employee / officer / director / attorney in fact / named _____.

Francis E. Conn
(Signature of person executing service)

Taken, subscribed and sworn before me this 12th day of March, 1984.
My commission expires 12/11/89.

Sharron Sue Williams
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

RECEIVED
MAY 13 1984
OIL & GAS DIVISION
DEPT. OF MINES

12/08/2023

IV-35
(Rev 8-81)



Date December 11, 1984
Operator's
Well No. 1
Farm Wilburt Kerby
API No. 47 - 013 - 3707

Ferc
State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas x / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow x /)

LOCATION: Elevation: 900' Watershed Lemuels Run
District: Sheridan County Calhoun Quadrangle Annamoriah 7.5

COMPANY Francis E. Cain
ADDRESS P. O. Box 80, Bigbend, WV 26136
DESIGNATED AGENT same
ADDRESS
SURFACE OWNER Wilburt Kerby
ADDRESS Annamoriah, WV
MINERAL RIGHTS OWNER G.W. Hardman Estate
% George Vandale etal
ADDRESS Spencer, WV 25276
OIL AND GAS INSPECTOR FOR THIS WORK Deo Mace
ADDRESS Sandridge, WV
PERMIT ISSUED April 5, 1984
DRILLING COMMENCED 8/6/84
DRILLING COMPLETED 11/8/84
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing Size Cond.	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16			
18-10" 3/4	334	334	140
9 5/8			
8 5/8	884		
7	1804	300'	
5 1/2			
4 1/2	2330	2330'	75
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Injun & Berea Depth 2330 feet
Depth of completed well 2330 feet Rotary / Cable Tools x
Water strata depth: Fresh none feet; Salt 1545 feet
Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Injun & Berea Pay zone depth Injun 1894-1918 Berea 2278-2282 feet
Gas: Initial open flow show Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 110 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 6 hours
Static rock pressure 120# psig (surface measurement) after 12 hours shut in
(If applicable due to multiple completion--)
Second producing formation see above Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

CAL. - 3707

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Injun 18 holes, 1894-1918 20,000# sand

Berea 8 holes, 2278-2284 10,000 # sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Red Rock			0	10	
Blue			10	45	
Slate			45	60	
Sand			60	141	
Red Rock			141	214	
Slate			214	285	
Red Rock			285	350	
Slate			350	395	
Red Rock			395	418	
Slate			418	515	
Red Rock			515	550	
Sand			550	595	
Red Rock			595	662	
Slate			662	745	
Red Rock			745	850	
Slate			850	884	
Sand			884	902	
Slate			902	965	
Sand			965	995	
Slate			995	1015	
Sand			1015	1050	
Slate			1050	1085	
Sand			1085	1200	
Salte			1200	1230	
Sand			1230	1290	
Slate			1290	1360	
Sand			1360	1390	
Slate			1390	1500	
Sand			1500	1770	Water hole full
L.Lime			1770	1790	
Pencil Cave			1790	1795	
Big Lime			1795	1880	
Keener Sand			1880	1890	
Injun Sand			1890	1920	Show of gas
Slate & Shells			1920	2272	
Berea			2272	2284	Show of gas
Slate & Shells			2284	2330	

(Attach separate sheets as necessary)

Francis E. Cain
Well Operator

By: Francis E. Cain

12/08/2023

Date: December 11, 1984

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

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

RECEIVED

SEP 1 1 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 13-3707

Oil or Gas Well _____
(KIND)

Company Francis Cain

Address _____

Farm KERRY
Kelly / Handman

Well No. 1

District See County Cal

Drilling commenced 8-6-84

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names F. Cain Spudder

Remarks:

334' of 10" casing, cemented 8-24-84

9-5-84
DATE

W. M. ... 12/08/2023
DISTRICT WELL INSPECTOR

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**
(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	-	New onshore production well
107	-	High cost natural gas
108	-	Stripper well

Other Purchasers/Contracts:

<u>Contract Date</u> (Mo. Day Yr.)	<u>Purchaser</u>	<u>Buyer Code</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

DEC. 28 1984

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: Dec. 11, 19 84

Applicant's Name: Francis E. Cain

Address: P. O. Box 80
Bigbend, WV 26136

Gas Purchaser Contract No. _____

Date of Contract _____
(Month, day and year)

First Purchaser: CNG Development Co.

Address: Rt. 2, Box 698, Bridgeport, WV 26330
(Street or P.O. Box)
(City) (State) (Zip Code)

FERC Seller Code _____

AGENCY USE ONLY
WELL DETERMINATION FILE NUMBER
841212 - 103 - 013 - 3707
Use Above File Number on all
Communications Relating to This Well

Designated Agent: Francis E. Cain

Address: same

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Francis E. Cain (Print) Agent & Operator
(Title)

Signature: Francis E. Cain

Address: P. O. Box 80
(Street or P.O. Box)

Bigbend WV 26136
(City) (State) (Zip Code)

Telephone: (Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
 - 102-2 2.5 Mile Test
 - 102-3 1000 Foot Deeper Test
 - 102-4 New Onshore Reservoir
- 103 New Onshore Production Well
 - x 103 New Onshore Production Well
- 107 High Cost Natural Gas
 - 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressured Brine
 - 107-2 Coal Seams
 - 107-3 Devonian Shale
 - 107-5 Production enhancement
 - 107-6 New Tight Formation
 - 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
 - 108- Stripper Well
 - 108-1 Seasonally Affected
 - 108-2 Enhanced Recovery
 - 108-3 Temporary Pressure Buildup

AGENCY USE ONLY
QUALIFIED
12/08/2023

RECEIVED

DEC 12 1984

OIL & GAS DIV.
DEPT. OF MINES

Date Received

Determination Date

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

Date 12 11 84 19
Operator's Well No. 1
API Well No. 47 - 013 - 3707
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT Francis E. Cain
ADDRESS P. O. Box 80
Bigbend, WV 26136
WELL OPERATOR Francis E. Cain
ADDRESS same
LOCATION: Elevation 900'
Watershed Lemuel's Run
Dist. Sheridan County Calhoun Quad. Annamoriah 7.5
GAS PURCHASER CNG Developemnt Company Gas Purchase Contract No. _____
ADDRESS Rt. 2, Box 698 Meter Chart Code _____
Bridgeport, WV 26330 Date of Contract _____

* * * * *

Date surface drilling was begun: 8/6/84

Indicate the bottom hole pressure of the well and explain how this was calculated:

Will be mailed later.

AFFIDAVIT

I, Francis E. Cain, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

Francis E. Cain

STATE OF WEST VIRGINIA,

COUNTY OF Calhoun, TO WIT:

I, Aharron Sue Williams, a Notary Public in and for the state and county aforesaid, do certify that Francis E. Cain, whose name is signed to the writing above, bearing date the 11th day of December, 19 84, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 11th day of Dec., 19 84.

My term of office expires on the 11th day of Dec., 19 89.

[NOTARIAL SEAL]

Aharron Sue Williams
Notary Public

12/08/2023

Obverse
1-84

15-Mar-85
DEP
BY

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OFFICE OF OIL AND GAS
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

APR 15 1986

4-5-84

Company: CAIN, FRANCIS E
Farm: KIRBY, WILBURT

Well: 1

Permit No. 47- 13-3707
County: CALHOUN

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	-----	-----
25.04	Prepared before drilling to prevent waste	-----	-----
25.03	High pressure drilling	-----	-----
16.01	Required permits at wellsite	-----	-----
15.03	Adequate Fresh Water Casings	-----	-----
15.02	Adequate Coal Casings	-----	-----
15.01	Adequate Production Casings	-----	-----
15.04	Adequate Cement Strength	-----	-----
15.05	Cement Type	-----	-----
23.02	Maintained Access Roads	-----	-----
25.01	Necessary Equipment to Prevent Waste	-----	-----
23.04	Reclaimed Drilling Pits	-----	-----
23.05	No Surface or Underground Pollution	-----	-----
23.07	Requirements for Production & Gathering Pipelines	-----	-----
16.01	Well Records on Site	-----	-----
16.02	Well Records Filed	-----	-----
5	Identification Markings	-----	-----

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Des Mace

DATE 4-12-86

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. v. B.

Administrator

April 21, 1986

Date

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OFFICE OF OIL AND GAS
CHARLESTON 25302
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

APR 1 8 1984

Permit No. 47-13-3707
County: CALHOUN

Company: CAIN, FRANCIS E
Name: KIRBY, WILBURT
Well: 1

Description	In Compliance	
	Yes	No
23.04 Notification prior to starting work		
25.04 Prepared before drilling to prevent waste		
25.03 High pressure drilling		
1.01 Required permits of wellsite		
18.03 Adequate Fresh Water Casing		
15.02 Adequate Coal Casing		
15.01 Adequate Production Casing		
15.04 Adequate Cement Strength		
15.05 Cement Type		
23.02 Maintained Access Roads		
25.01 Necessary Equipment to prevent Waste		
23.04 Reclaimed Drilling Site		
23.03 No Surface or Underground Pollution		
23.07 Requirements for Production & Gathering Pipelines		
14.01 Well Records on Site		
14.02 Well Records Filed		
14.03 Identification Markings		

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

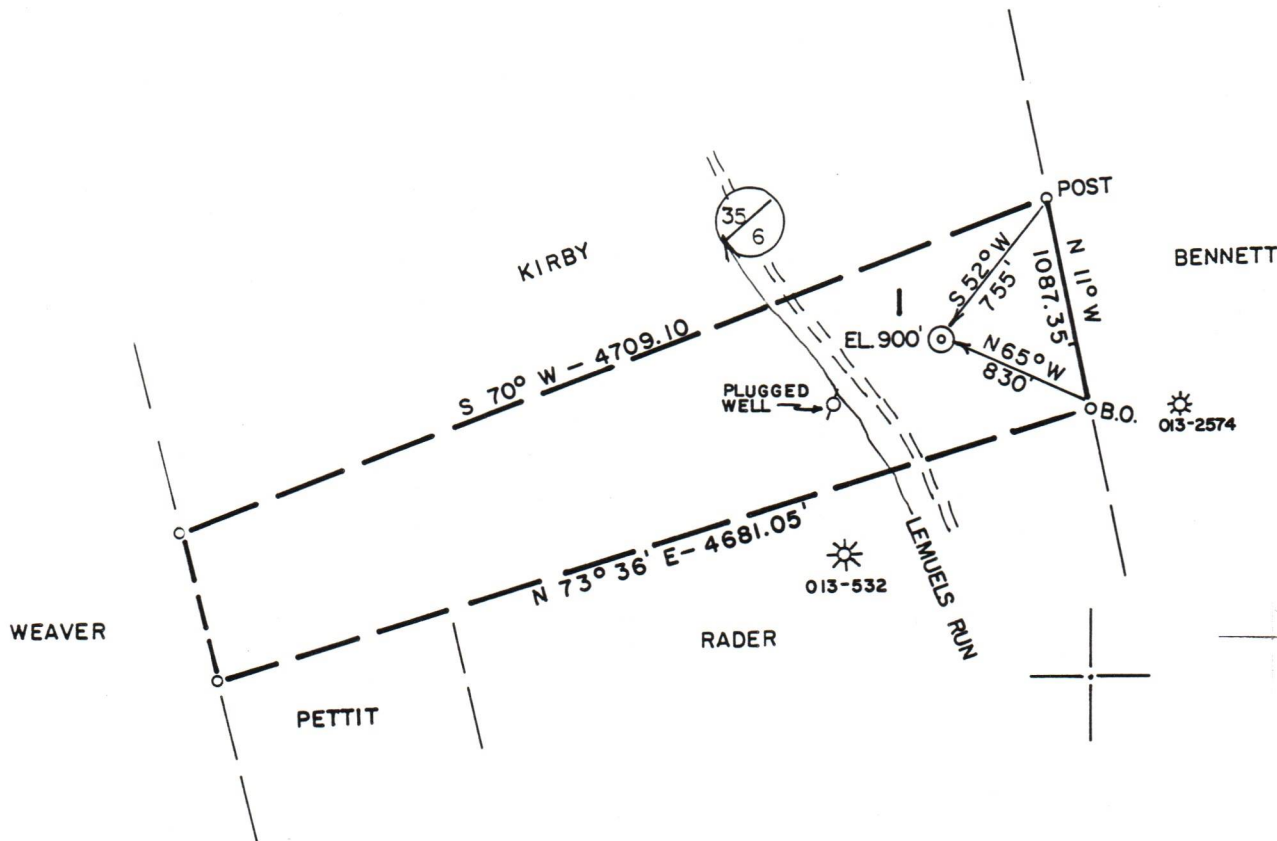
SIGNED: *[Signature]*
DATE: *4-12-84*

Your well record was received and reclamation requirements approved. In accordance with Chapter 23, Article 4, Section 2, the above well will remain under bond covers for the life of the well.

[Signature]
Administrator

Date: _____

NORTH



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 84-46
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION ROAD INT. (727')

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 ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) *Carl Waterman*
 R.P.E. 3788 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 1/27, 19 84
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-013-3707
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____

LOCATION: ELEVATION 900 WATER SHED LEMUELS RUN
 DISTRICT SHERIDAN COUNTY CALHOUN
 QUADRANGLE ANNAMORIAH 7.5'

SURFACE OWNER WILBURT KIRBY ACREAGE 100
 OIL & GAS ROYALTY OWNER G. W. HARDMAN ESTATE LEASE ACREAGE 100 12/08/2023

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BEREA ESTIMATED DEPTH 2500'
 WELL OPERATOR CAIN OIL & GAS DESIGNATED AGENT FRANCIS CAIN
 ADDRESS P. O. BOX 80 ADDRESS SAME
BIG BEND, WV 26136

FORM IV-6 (8-78)
 H.T. HALL

COUNTY NAME PERMIT