

FORM IV-2(B) FILE COPY  
**RECEIVED**



1) Date: February 8, 19 85  
2) Operator's Well No. Imperial #31  
3) API Well No. 47 - 039 - 4126  
State County Permit

FEB 14 1985

**OIL & GAS DIV.  
DEPT. OF MINES**

**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: 1642 Watershed: Greens Branch  
District: Cabin Creek County: Kanawha Quadrangle: Cedar Grove
- 6) WELL OPERATOR Allegheny & Western Energy Corp. 7) DESIGNATED AGENT Roland C. Baer, Jr.  
Address P. O. Box 2587 Address P. O. Box 2587  
Charleston, WV 25329 Charleston, WV 25329
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Carlos Hively Address 223 Pinch Ridge Rd. Elkview, WV 25071
- 9) DRILLING CONTRACTOR: Name Address
- 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, Injun, Weir, Devonian Shale
- 12) Estimated depth of completed well, 5290 feet
- 13) Approximate strata depths: Fresh, 1070 feet; salt, 1970 feet.
- 14) Approximate coal seam depths: - Is coal being mined in the area? Yes  / No  /

15) 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									Kinds
Fresh water	9 5/8"	SMLS	32	X		1200'	1200'	300 cts	By Rule 15.05
Coal	7"	SMLS	23	X		2100'	2100'	200 cts	Sizes
Intermediate									
Production	4 1/2"	SMLS	10.5	X		5290'	5290'	200-400 sks	Depths set Or As Required
Tubing									By Rule 15.01
Liners									Perforations: Top Bottom

**OFFICE USE ONLY  
DRILLING PERMIT**

Permit number 47-039-4126

February 14, 19 85  
Date

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 February 14, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
5	MH	MH	MH	1602

*Margaret J. Hesse*  
Administrator, Office of Oil and Gas

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

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OIL & GAS DIV.  
DEPT. OF MINES

OFFICE USE ONLY

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

1. LOCATION: Cedar Grove, Lincoln County, Kentucky

2. WELL OPERATOR: Allegheny & Western Energy Corp., 1100  
P. O. Box 2587, Charleston, WV 25325

3. WELL NAME: Carlos Levely

4. WELL ADDRESS: 233 Finch Ridge Rd., Linsey, WV 25071

5. PROPOSED WELL WORK:  New well,  Extension,  Completion,  Abandonment

6. DATE OF PROPOSAL: 12/10/87

7. DATE OF PERMIT: 12/10/87

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: \_\_\_\_\_

09/29/2023

FORM IV-2(A) RECEIVED

FEB 14 1985

1) Date: February 11, 1985  
2) Operator's Well No. Imperial #31  
3) API Well No. 47-039-4126  
State County Permit

OIL & GAS DIV. STATE OF WEST VIRGINIA  
DEPT. OF MINES 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 Imperial Coal Company  
Address c/o Fredrick L. Thomas, Jr.  
President
  - (ii) Name P. O. Box 273  
Address Charleston, WV 25321
  - (iii) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5(i) COAL OPERATOR None  
Address \_\_\_\_\_
- 5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
  - Name Imperial Coal Company  
Address c/o Fredrick L. Thomas, Jr.  
President
  - Name P. O. Box 273  
Address Charleston, WV 25321
- 5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
  - Name None  
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.

- 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 X
- 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

R. H. Hess  
this 11 day of February, 1985.  
My commission expires 8/13, 1991.

Samy G. Hoop  
Notary Public, Kanawha County,  
State of West Virginia

WELL  
OPERATOR Allegheny & Western Energy Corporation  
By R. H. Hess  
Its President  
Address P. O. Box 2587  
Charleston, WV 25329  
Telephone (304) 343-4327

09/29/2023

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FEB 14 1982

OFFICE OF OIL & GAS DIV.  
DEPT. OF MINES

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:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
Farmout from:			
Columbia Gas Transmission Corp.		1/8	Recorded 5-11-78
United Fuel Gas Co.	Imperial Coal Company	1/8	1060 189



IV-9  
(Rev 8-81)

DATE February 4, 1985  
WELL NO. Imperial #31  
API NO. 47-039-4126

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Allegheny & Western Energy Corp.  
Address Box 2587, Charleston, WV  
Telephone 343-4327

DESIGNATED AGENT Roland C. Baer  
Address Box 2587, Charleston, WV 25329  
Telephone 343-4327

LANDOWNER Imperial Coal Co.  
Revegetation to be carried out by Roland C. Baer (Agent)

SOIL CONS. DISTRICT Capitol

This plan has been reviewed by Capitol SCD. All corrections and additions become a part of this plan: FEB. 11 1985

"SEE ATTACHED COMMENTS"

(Date) R. C. Alford  
(SCD Agent)

ACCESS ROAD	
Structure <u>Drainage Ditch</u>	(A)
Spacing <u>Along Access Road</u>	
Page Ref. Manual _____	
Structure _____	(B)
Spacing _____	
Page Ref. Manual _____	
Structure <u>Cross Drains</u>	(C)
Spacing <u>As shown on sketch</u>	
Page Ref. Manual <u>2:1 to 2:6</u>	

LOCATION	
Structure _____	(1)
Material _____	
Page Ref. Manual _____	
Structure _____	(2)
Material _____	
Page Ref. Manual <u>2:16</u>	
Structure <u>Pit</u>	(3)
Material <u>Dug, and plastic lined</u>	
Page Ref. Manual _____	

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DEPT. OF MINES

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

Lime 3.0 Tons/acre  
or correct to pH 6.5

Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)

Mulch Hay or Straw 2.0 Tons/acre

Seed Ky. 31 Tall Fescue 45 lbs/acre

Crownvetch 10 lbs/acre

Rye Grass 10 lbs/acre

Treatment Area II

Lime 3.0 Tons/acre  
or correct to pH 6.5

Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)

Mulch Hay or Straw 2.0 Tons/acre

Seed Ky. 31 Tall Fescue 45 lbs/acre

Crownvetch 10 lbs/acre

Rye Grass 10 lbs/acre

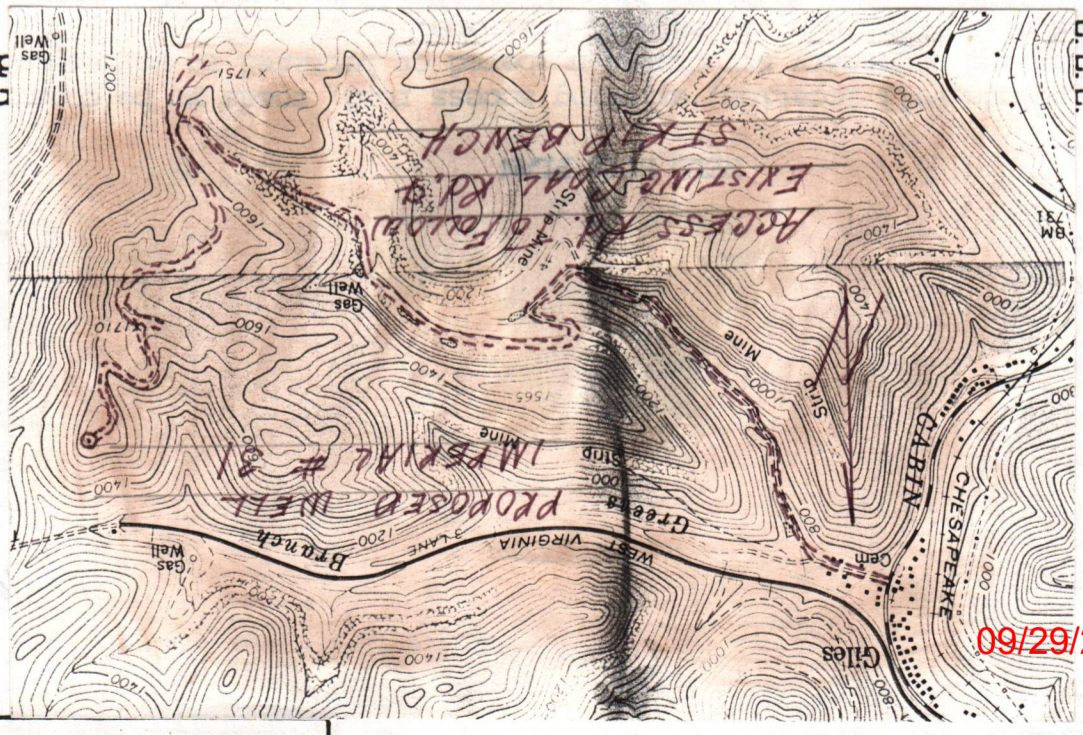
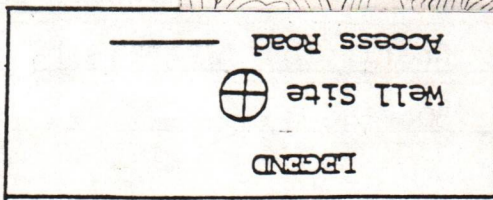
\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY George F. Kollind  
A E Associates 09/29/2023

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

ADDRESS 1206 Virginia Street, East  
Charleston, WV 25301  
PHONE NO. 304/346-0505

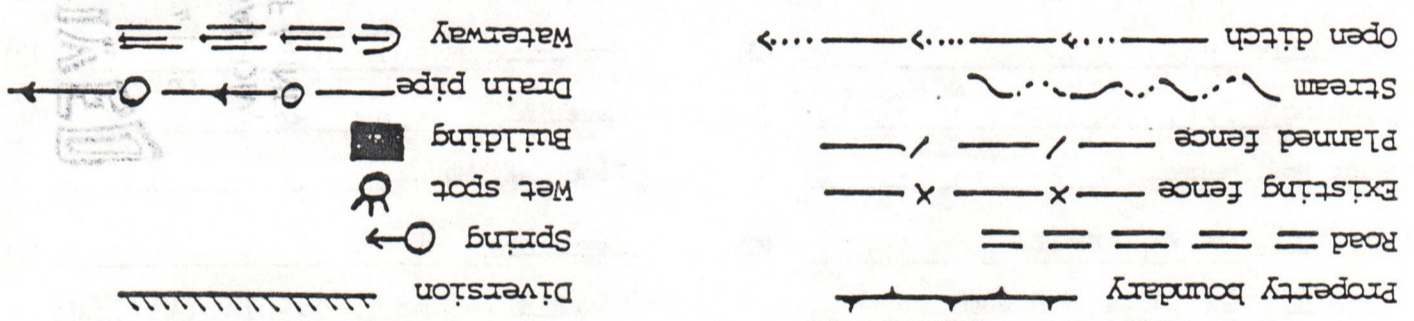
ATTACH OR PHOTO COPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE CEDAR GROVE 7.5'



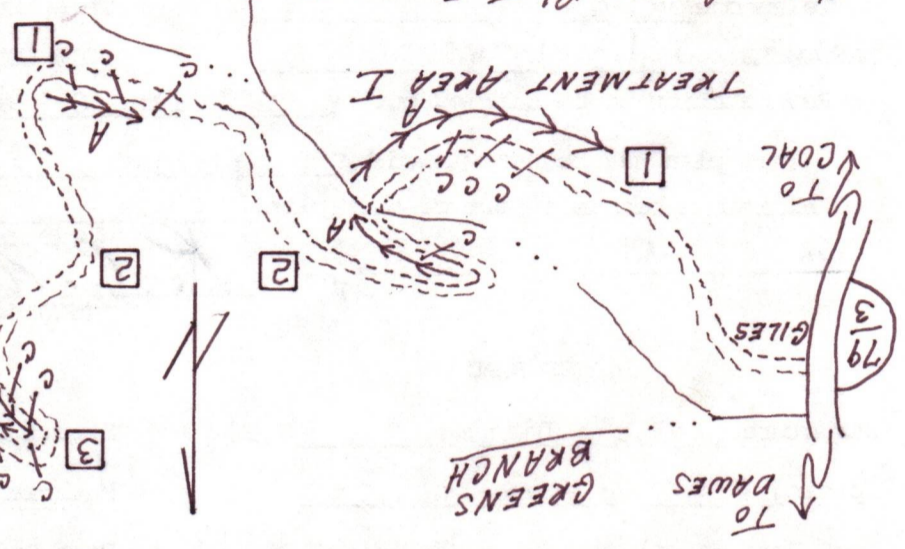
Sketch to be used for drilling plan part of the

located, well site 3 with the first

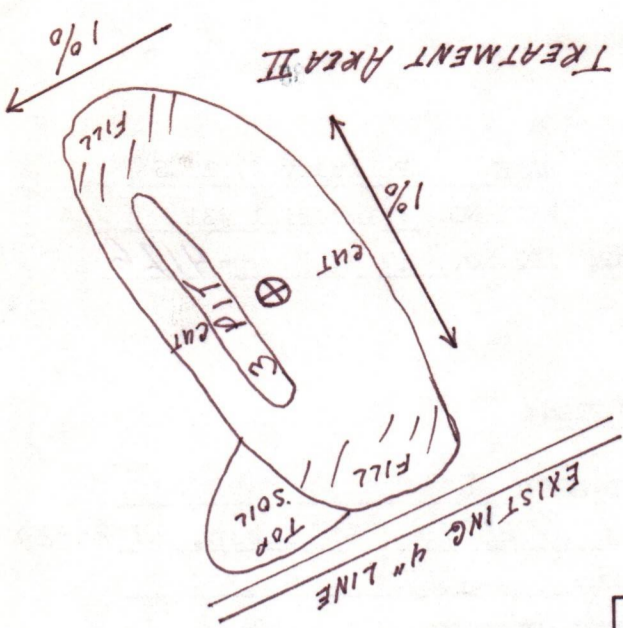
LEGEND



SPACING OF ACCESS RD.	LENGTH OF SLOPE CROSS DRAINS	AS NEEDED	TOTAL
1	6500'	4 to 8%	95'
2	6600'	2 to 5%	90'
3	700'	10 to 12%	13800'
		TOTAL	



NOTE: Access Rd. to follow existing coal rd. & strip bench. Rds. to be upgraded with erosion control in mind. All outlets of drainage & ditches will be to stable areas. All brush & timber to be cut prior to any earth movement. Timber 6" & up to be stacked. Location to be constructed on flat point. Area has been timbered. Top soil to be stock piled for reclamation.



**SURFACE OWNER'S COPY**



1) Date: February 8, 19 85  
 2) Operator's Well No. Imperial #31  
 3) API Well No. 47 039  
 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 X /  
 B (If "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 1642 Watershed: Greens Branch  
 District: Cabin Creek County: Kanawha Quadrangle: Cedar Grove
- 6) WELL OPERATOR Allegheny & Western Energy Corp 7) DESIGNATED AGENT Roland C. Baer, Jr.  
 Address P. O. Box 2587 Address P. O. Box 2587  
Charleston, WV 25329 Charleston, WV 25329
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Carlos Hively Name \_\_\_\_\_  
 Address 223 Pinch Ridge Rd. Address \_\_\_\_\_  
Elkview, WV 25071
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate X /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation X /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Injun, Weir, Devonian Shale  
 12) Estimated depth of completed well, 5290 feet  
 13) Approximate strata depths: Fresh, 1070 feet; salt, 1970 feet.  
 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No X /
- 15) 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		Depths set	Top
Conductor										Kinds
Fresh water	<u>9 5/8"</u>	<u>SMLS</u>	<u>32</u>	<u>X</u>		<u>1200'</u>	<u>1200'</u>	<u>300 cts</u>		<u>By Rule 15.05</u>
Coal	<u>7"</u>	<u>SMLS</u>	<u>23</u>	<u>X</u>		<u>2100'</u>	<u>2100'</u>	<u>200 cts</u>		Sizes
Intermediate										
Production	<u>4 1/2"</u>	<u>SMLS</u>	<u>10.5</u>	<u>X</u>		<u>5290'</u>	<u>5290'</u>	<u>200-400 sks</u>		<u>Or As Required</u>
Tubing										<u>By Rule 15.01</u>
Liners										Perforations:
										Top
										Bottom

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 FEB 14 1985  
 OIL & GAS DIV.  
 DEPT. OF MINES

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: \_\_\_\_\_  
 By \_\_\_\_\_  
 Its \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_  
 (Signature)  
 \_\_\_\_\_  
 (Signature)  
 \_\_\_\_\_  
 President

**09/29/2023**  
 Surface Owner

**INSTRUCTIONS TO SURFACE OWNERS  
AND  
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT  
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

**NOTE: You are not required to file any comment at all.**

**Where to file comments and obtain additional information:**

Administrator of the Office of Oil and Gas  
West Virginia Department of Mines  
1615 Washington Street East  
Charleston, West Virginia 25311  
(304) 348-2057

**Who may file comments?** If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

**Time limits for comments.** The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

**Methods for filing comments.** Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- “(1) The proposed well work will constitute a hazard to the safety of persons; or
- “(2) The plan for soil erosion and sediment control is not adequate or effective; or
- “(3) Damage would occur to publicly owned lands or resources; or
- “(4) The proposed well work fails to protect fresh water sources or supplies.”

**If you want a copy of the permit** as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

**List of Water Testing Laboratories.** The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.





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 B (If "Gas", Production X \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X \_\_\_\_\_)
- 5) LOCATION: Elevation: 1642 Watershed: Greens Branch  
 District: Cabin Creek County: Kanawha Quadrangle: Cedar Grove
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 Address 223 Pinch Ridge Rd. Address \_\_\_\_\_  
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 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No X \_\_\_\_\_

15) 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									Kinds
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Coal	7"	SMLS	23	X		2100'	2100'	200 cts	Sizes
Intermediate									
Production	4 1/2"	SMLS	10.5	X		5290'	5290'	0-400 sks	Depths set Or As Required
Tubing									By Rule 15.01
Liners									Perforations:
									Top Bottom

RECEIVED  
 FEB 14 1985  
 OIL & GAS DIV.  
 DEPT. OF MINES

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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.

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 the filing of the Application.

WAIVER

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: Feb 8, 19 85

By Imperial Coal Co.  
F. L. Thomas, Jr.  
 Its President

09/29/2023

Coal Owner



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

1) Date: \_\_\_\_\_  
2) Operator:  
Well No. \_\_\_\_\_  
3) AVE Well No. \_\_\_\_\_  
County \_\_\_\_\_  
Town \_\_\_\_\_

4) WELL TYPE: A OR \_\_\_\_\_  
B. If Gas, Production \_\_\_\_\_  
Elevation \_\_\_\_\_  
District \_\_\_\_\_  
County \_\_\_\_\_  
Watershed \_\_\_\_\_  
Underground storage \_\_\_\_\_  
Trap \_\_\_\_\_  
Shallow \_\_\_\_\_

5) WELL OPERATOR  
Address \_\_\_\_\_

6) DRILLING CONTRACTOR  
Name \_\_\_\_\_  
Address \_\_\_\_\_

7) DESIGNATED AGENT  
Address \_\_\_\_\_

8) OIL & GAS INSPECTOR TO BE NOTIFIED  
Name \_\_\_\_\_  
Address \_\_\_\_\_

9) PROPOSED WELL WORK  
Well depth \_\_\_\_\_  
Well bottom \_\_\_\_\_  
Perforate new formation \_\_\_\_\_  
Stop off old formation \_\_\_\_\_  
Other formation change in well (specify) \_\_\_\_\_

10) GEOLOGICAL TARGET FORMATION  
10a) Approximate total depth, feet \_\_\_\_\_  
10b) Approximate total depth, feet \_\_\_\_\_  
10c) Estimated depth of completed well, feet \_\_\_\_\_  
10d) Approximate coal seam depth, feet \_\_\_\_\_  
Is coal seam mined in district? Yes \_\_\_\_\_ No \_\_\_\_\_

11) CASING AND PLUMBING PROGRAM

LITHOLOGY	THICKNESS	PERCENTAGE	SPELICATIONS		SPELICATIONS		SPELICATIONS	SPELICATIONS	SPELICATIONS	SPELICATIONS
			WT	WT	WT	WT				
Coal										
Shale										
Sandstone										
Claystone										
Marl										
Chert										
Other										

**RECEIVED**  
**DEPT. OF MINES,**  
**OIL & GAS DIV.**  
**LEWISBURG**

INSPECTOR TO BE NOTIFIED BY OPERATOR OF WELL OR LESSEE

The intent of this section is to provide a means for the operator to notify the inspector of any proposed well work which may affect the safety of the mine. The operator shall file this application with the inspector at least 30 days before the proposed well work is commenced. The inspector shall have the authority to inspect the well work and to issue orders to the operator to comply with the provisions of this section.

The following well work shall be reported to the inspector: (1) Any well work which is proposed to be drilled in a mine; (2) Any well work which is proposed to be drilled in a mine which is being developed for the production of gas; (3) Any well work which is proposed to be drilled in a mine which is being developed for the production of gas and which is being drilled in a mine which is being developed for the production of gas and which is being drilled in a mine which is being developed for the production of gas.

WARRANT

The undersigned, the operator, \_\_\_\_\_  
 do hereby certify that the above information is true and correct to the best of my knowledge and belief. I declare under penalty of perjury that the foregoing is true and correct. I signed this statement on this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

Operator: \_\_\_\_\_  
 Inspector: \_\_\_\_\_

Signature: *James H. ...*  
 Date: *11/82*

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MAR 5 - 1985

ACCIDENT AND/OR FATALITY REPORT

OIL & GAS DIVISION

DEPT. OF MINES

PERMIT NUMBER 039-4126

OPERATOR Alleghenywestern

ADDRESS Charleston, W. Va.

CONTRACTOR F.W.A. Drilling Co.

ADDRESS Elkview, W. Va. 25071

ACCIDENT DATE 3-28-85

TIME 11:30 a.m.

AGE OF INJURED 19

SPECIFIC JOB INJURED WAS PERFORMING was helping to move equipment from one location to another.

PROBABLE LOST TIME DUE TO INJURY 2 months or longer.

NATURE OF INJURY Two middle fingers on right hand mashed & cut bad.

NAME OF INJURED Mark Bowen

ADDRESS unknown

SOCIAL SECURITY NUMBER 238-13-6831

IF FATALITY, PLEASE EXPLAIN

EXPLAIN ACCIDENT IN DETAIL was moving equipment to location & mark was riding on back of truck & truck was dragging pipe racks behind and the pipe racks got caught on a stump beside the road and flipped end over end and knocked him off truck causing injury.

DATE 3-1-, 1985

SIGNED Carlos W. Hinely

RECEIVED

MAR 5 - 1985

ACCIDENT AND/OR FATALITY REPORT

OIL & GAS DIVISION

DEPT. OF MINES

PERMIT NUMBER 039-41126

OPERATOR Allegheny Western

ADDRESS Charleston, W. Va.

CONTRACTOR KWA Drilling Co.

ADDRESS Elkview, W. Va. 25071

ACCIDENT DATE 2-28-85

TIME 11:30 a.m.

AGE OF INJURED 33

SPECIFIC JOB INJURED WAS PERFORMING was Helping to move Equipment From one location to another.

PROBABLE LOST TIME DUE TO INJURY 1 month or longer.

NATURE OF INJURY Bruised in Chest, Kidneys and Hips.

NAME OF INJURED Donald E. Wolfe

ADDRESS Rt. 1 Walton, W. Va. 25286

SOCIAL SECURITY NUMBER 233-86-3979

IF FATALITY, PLEASE EXPLAIN

EXPLAIN ACCIDENT IN DETAIL was moving Equipment to location Donnie was Riding on Back of Truck + The Truck was Dragging Pipe Racks Behind and The pipe Rack got Caught on a Stump Beside Road and Flipped End over End and Knocked him off Truck Causing Injury

DATE 3-1-, 1985

SIGNED Carlos W. Hively



IV-35  
(Rev 8-81)  
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MAY 20 1985  
OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date March 15, 1985  
Operator's Imperial # 31  
Well No. Imperial Coal Company  
Farm 47 - 039 - 4126  
API No. 47 - 039 - 4126

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 X / Underground Storage     / Deep     / Shallow X /)

LOCATION: Elevation: 1642 Watershed Greens Branch  
District: Cabin Creek County Kanawha Quadrangle Cedar Grove

COMPANY A & W Energy Corporation  
ADDRESS P.O. Box 2587, Charleston, WV  
DESIGNATED AGENT R. C. Baer, Jr.  
ADDRESS P.O. Box 2587, Charleston, WV 25329  
SURFACE OWNER Imperial Coal Company  
ADDRESS P.O. Box 273, Charleston, WV  
MINERAL RIGHTS OWNER Imperial Coal Company  
ADDRESS P.O. Box 273, Charleston, WV  
OIL AND GAS INSPECTOR FOR THIS WORK C. Hively ADDRESS Elkview, WV  
PERMIT ISSUED 2-14-85  
DRILLING COMMENCED 2-28-85  
DRILLING COMPLETED 3-7-85

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13- <del>XXX</del>	60	60	To Surf
9 5/8	1443	1443	450 SX
8 5/8			
7	2808	2808	175 SX
5 1/2			
4 1/2	5200	5200	225 SX
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON    

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 3480 feet  
Depth of completed well 5200 feet Rotary X / Cable Tools      
Water strata depth: Fresh 1070 feet; Salt 1970 feet  
Coal seam depths: 1070 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Coffee Shale Pay zone depth 3402 feet  
Gas: Initial open flow     Mcf/d Oil: Initial open flow     Bbl/d  
Final open flow 115 Mcf/d Final open flow     Bbl/d  
Time of open flow between initial and final tests     hours  
Static rock pressure 590 psig (surface measurement) after 24 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation Devonian Shale Pay zone depth 3480 feet  
Gas: Initial open flow     Mcf/d Oil: Initial open flow     Bbl/d  
Final open flow 390 Mcf/d Oil: Final open flow     Bbl/d  
Time of open flow between initial and final tests     hours  
Static rock pressure 685 psig (surface measurement) after 24 hours shut in

(Continue on reverse side)

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

Perforate 2892 - 3725 With 30 Holes

Perforate 3842 - 5193 With 40 Holes

Frac with 1, 200 gal 15% HCl, 60,000# 30/40 SD 1000 MSCfN<sub>2</sub>

Frac with 1,800 gal 15% HCl, 60,000# 20/30 SD & 1,200 MSCfN<sub>2</sub>

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
SAND & SHALE			0	947	
SLATE & SHALE			947	1347	
SHALE			1347	1637	
SAND STONE			1637	1917	
SHALE			1917	2587	
LITTLE LIME			2587	2787	
SHALE			2787	2855	
BIG LIME			2855	2963	
SHALE			2963	2967	
BIG INJUN			2967	3065	
SHALE			3065	3075	
UPPER WEIR			3075	3119	
SHALE			3119	3427	
COFFEE SHALE			3427	3452	
BEREA			3452	3480	
DEVONIAN SHALE			3480	5200	5200 TD

(Attach separate sheets as necessary) ;

Allegheny & Western Energy Corporation

Well Operator

09/29/2023

By: *RJ Less*

Date: March 22, 1985

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

OG. RECEIVED

MAR 5 - 1985

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

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4176

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Allegheny western  
 Address \_\_\_\_\_  
 Farm Imperial Coal Co.  
 Well No. Imperial # 31  
 District Cabin Creek County Kanawha  
 Drilling commenced \_\_\_\_\_  
 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 3/8			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.W.A. Drilling Co. Rig # 22

Remarks:  
Moved Rig on location 3-28-85. Today Drilling surface at 333' deep + soaping hole.

3-1-85  
DATE

Carlos W. Hines 09/29/2023  
DISTRICT WELL INSPECTOR

**STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
INSPECTOR'S PLUGGING REPORT**

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MAR 2 - 9 AM  
OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. \_\_\_\_\_ Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST	

Drillers' Names \_\_\_\_\_

Remarks:  
*Sub Drilling Pipe 22'*  
*Plugged Pipe on location 3-22-82 today by [unclear]*  
*the fact that 22' deep 20" pipe hole*

\_\_\_\_\_ I hereby certify I visited the above well on this date.  
DATE

\_\_\_\_\_  
DISTRICT WELL INSPECTOR **09/29/2023**



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

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MAR 13 1985

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4126

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Allegheny western</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address _____	Size		
Farm <u>Imperial Coal Co.</u>	16			Kind of Packer _____
Well No. <u>Imperia/# 31</u>	13			
District <u>Cabin Creek</u> County <u>Kanawha</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names E.W.A. Drilling Co. Rig # 32

Remarks: Set 1343' of 9 5/8" casing & cemented with 210 SKS. Class A 3% c.c., plugdown at 7:00 a.m. on 3-2-85. Today drilling at 2235' & soaping hole.

3-4-85  
DATE

Carlos W. Hinchey  
DISTRICT WELL INSPECTOR

00/29/2023

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MAR 18 1982  
OIL & GAS DIVISION  
DEPT OF MINES

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
INSPECTOR'S PLUGGING REPORT

Permit No. \_\_\_\_\_

Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner			Packer			Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST	

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_ I hereby certify I visited the above well on this date.  
DATE

\_\_\_\_\_ 09/29/2023  
DISTRICT WELL INSPECTOR

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

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MAR 20 1985

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4126

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Allegheny western</u> Address _____ Farm <u>Imperial Coal Co.</u> Well No. <u>Imperial # 31</u> District <u>Cabin Creek</u> County <u>Kanawha</u> Drilling commenced _____ 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			Kind of Packer
	16			
	13			
	10			Size of
	8 1/4			
	6 3/8			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 Petro Services Inc.

Remarks: Rig on location doing well swap.

3-12-85  
DATE

Carlos W. Hines  
DISTRICT WELL INSPECTOR

09/29/2023

2/16/82

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MAR 5 0 1982

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

INSPECTOR'S PLUGGING REPORT

Permit No. \_\_\_\_\_

Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner		Location		Amount	Packer	Location	
PLUGS USED AND DEPTH PLACED				BRIDGES		CASING AND TUBING	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	

Drillers' Names \_\_\_\_\_

Remarks:

*Remarks: 199 on location during well work*

I hereby certify I visited the above well on this date.

DATE

DISTRICT WELL INSPECTOR 09/29/2023

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

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MAR 13 1985

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-2126

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Allegheny &amp; Western</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			Kind of Packer _____
Farm <u>Imperial/Coal Co.</u>	16			Size of _____
Well No. <u>Imperial #31</u>	13			Depth set _____
District <u>Cabin Creek</u> County <u>Kanawha</u>	10			Perf. top _____
Drilling commenced _____	8 1/4			Perf. bottom _____
Drilling completed _____ Total depth _____	6 3/4			Perf. top _____
Date shot _____ Depth of shot _____	5 3/16			Perf. bottom _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names K.W.A. Drilling Co. Rig # 22

Remarks:  
set 2808' of 7" casing + cemented with 175 SKS. of class A 3% c.c. plug down at 3:00 p.m. on 3-5-85. Today Drilling at 3649' + dusting hole.

3-6-85  
DATE

Carlos W. Hines  
DISTRICT WELL INSPECTOR

09/29/2023

Form 26  
2/16/82

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MAR 18 1982  
OIL & GAS DIVISION  
DEPT. OF MINES

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
INSPECTOR'S PLUGGING REPORT

Permit No. \_\_\_\_\_

Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner			Location			Amount			Packer			Location		
PLUGS USED AND DEPTH PLACED						BRIDGES			CASING AND TUBING					
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST						

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

\_\_\_\_\_ I hereby certify I visited the above well on this date.  
DATE

\_\_\_\_\_ DISTRICT WELL INSPECTOR 09/29/2023

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

RECEIVED

MAR 20 1985

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 039-4126

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Allegheny western

Address \_\_\_\_\_

Farm Imperial Coal Co.

Well No. Imperial #31

District Cabin Creek County Kanawha

Drilling commenced \_\_\_\_\_

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			Kind of Packer _____
16			
13			Size of _____
10			Depth set _____
8 1/4			Perf. top _____
6 3/8			Perf. bottom _____
5 3/16			Perf. top _____
3			Perf. bottom _____
2			
Liners Used			

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

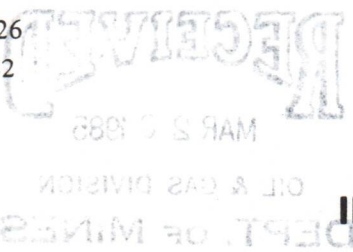
Drillers' Names Petra Services Inc.

Remarks: Did well frac on 3-14-85. Today service rig on location blowing off well frac.

3-15-85  
DATE

Carlson H. H.  
DISTRICT WELL INSPECTOR

00/29/2023



**STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
INSPECTOR'S PLUGGING REPORT**

Permit No. \_\_\_\_\_

Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner	Location	Amount	Packer	Location		
				PLUGS USED AND DEPTH PLACED	BRIDGES	CASING AND TUBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_ I hereby certify I visited the above well on this date.

DATE

\_\_\_\_\_ **09/29/2023**  
DISTRICT WELL INSPECTOR



29-May-85

**RECEIVED**  
DEPARTMENT OF ENERGY  
OIL AND GAS

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



JAN 8 1986

Company: ALLEGHENY & WESTERN ENERGY CORP. Permit No. 47- 39-4126 (2-14-85)  
Farm: IMPERIAL COAL COMPANY Well: IMPERIAL 31 County:KANAWHA

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	-----	-----
25.04	Prepped before drillings to prevent waste	-----	-----
25.03	High pressure drillings	-----	-----
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 Drillings Pits	-----	-----
23.05	No Surface or Underground Pollution	-----	-----
23.07	Requirements for Production & Gatherings Pipelines	-----	-----
16.01	Well Records on Site	-----	-----
16.02	Well Records Filed	-----	-----
17.05	Identification Markings	-----	-----

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

SIGNED Carlos Hively  
DATE 12/31/85

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. ...  
Administrator

January 17, 1986

Date

09/29/2023

RECEIVED  
DEPARTMENT OF ENERGY  
OIL AND GAS

JAN 8 1988

28-Mar-88

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

Imperial Coal Company Well: IMPERIAL 31  
County: KANAWHA  
Permit No. 47-39-4126  
(2-1-88)

Item	Description	In Compliance	
		Yes	No
22.02	Identification Markings		
22.03	Well Records Filled		
22.04	Well Records on Site		
22.07	Requirements for Production & Gathering Pipelines		
22.08	No Surface or Underground Pollution		
22.09	Retained Drilling Pits		
22.01	Necessary Equipment to Prevent Waste		
22.02	Maintained Access Roads		
22.05	Cement Type		
22.04	Adequate Cement Strength		
22.01	Adequate Production Casings		
22.02	Adequate Coal Casings		
22.03	Adequate Fresh Water Casings		
22.01	Retained permits of adjacent		
22.03	High pressure drilling		
22.04	Prepared before drilling to prevent waste		
22.08	Notification prior to starting work		

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

SIGNED \_\_\_\_\_  
DATE \_\_\_\_\_

Your well record was received and recommission requirements approved. In accordance with Chapter 22, Article 4, Section 3, the above well will remain under bond covers for the life of the well.

*[Signature]*  
Administrator

January 17, 1988  
Date

09/29/2023

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

**RECEIVED**

1.0 API well number. (If not assigned, leave blank. 14 digits.) 47 - 039 - 4126 -

2.0 Type of determination being sought. (Use the codes found on the front of this form.) Section of NGPA 107 Category Code 3

3.0 Depth of the deepest completion location. (Only needed if sections 103 or 107 in 2.0 above) 5193 feet HIN - 3 1985

**OIL & GAS DIV. DEPT. OF MINES**

4.0 Name, address and code number of applicant. (35 letters per line maximum. If code number not available, leave blank.)

Name Allegheny & Western Energy Corporation N/A

Street P.O. Box 2587 Seller Code

City Charleston State WV Zip Code 25329

5.0 Location of this well. (Complete (a) or (b).)

(a) For onshore wells (35 letters maximum for field name)

Field Name Cabin Creek District

County Kanawha State WV

(b) For OCS wells:

Area Name \_\_\_\_\_ Block Number \_\_\_\_\_

Date of Lease: N/A OCS Lease Number NA

Mo. Day Yr.

(c) Name and identification number of this well. (35 letters and digits maximum)

(d) If code 4 or 5 in 2.0 above, name of the reservoir. (35 letters maximum)

6.0 (a) Name and code number of the purchaser. (35 letters and digits maximum. If code number not available, leave blank.)

Name Mountaineer Gas Company NA

(b) Date of the contract: N/A Buyer Code \_\_\_\_\_

Mo. Day Yr.

(c) Estimated total annual production from the well: \_\_\_\_\_ Million Cubic Feet

	(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) or (-))	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places)	S/MMBTU <u>3.400</u>	_____	_____	<u>3.400</u>
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places)	S/MMBTU _____	<u>DEREGULATED</u>	_____	_____

9.0 Person responsible for this application:

Agency Use Only

Date Received by JUN - 9 1985

Date Received by FEPC \_\_\_\_\_

Name R H Hess Title President

Signature RH Hess

Date Application is Completed APR - 3 1985

Phone Number 304-343-4327

FR-171 (8-82)

09/29/2023

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date APR - 2 1985 1100

AGENCY USE ONLY *New*

Applicant's Name: Allegheny & Western Energy

Address: P.O. Box 2587  
Charleston, WV 25329

Gas Purchaser Contract No. KAN-1

Date of Contract NA  
(Month, day and year)

First Purchaser: Mountaineer Gas Company *640*

Address: P.O. Box 3152 Charleston, WV  
(Street or P.O. Box)  
(City) (State) (Zip Code)

FERC Seller Code \_\_\_\_\_

WELL DETERMINATION FILE NUMBER  
850603 - 107<sup>3</sup>-039 - 4126  
Use Above File Number on all  
Communications Relating to This Well

Designated Agent: Roland C. Baer, Jr.

Address: P.O. Box 2587  
Charleston, WV 25329

FERC Buyer Code \_\_\_\_\_

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

Name: R H Hess President  
(Print) (Title)

Signature: *R H Hess*

Address: P.O. Box 2587  
(Street or P.O. Box)  
Charleston, WV 25329  
(City) (State) (Zip Code)

Telephone: (304) 343-4327  
(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

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

- 103 New Onshore Production Well
- 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

AGENCY USE ONLY

QUALIFIED  
*09/29/2023*

RECEIVED

JUN - 3 1985

OIL & GAS DIV.  
DEPT. OF MINES

JUN - 3 1985  
Date Received

JUN 28 1985  
Determination Date

DEVONIAN SHALE GAMMA RAY LOG ANALYSIS  
APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT

Operator: Allegheny and Western Energy Corp Agent: \_\_\_\_\_

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-039-4126 Well Name: IMPERIAL #31

West Virginia Office of Oil and Gas County: Kanawha

References: SJA File No.

Vol. \_\_\_\_\_ Page \_\_\_\_\_ Line \_\_\_\_\_

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray elevation indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line = 160 \* API Units

2. Remarks:

*Gamma Ray Scale = 0 → 200 API Units*

B. Gamma Ray Log Value at 0.7 x Value at Base Line

1. GR Value = 160 \* API Units

2. Calculation:  $\frac{0.7 \text{ (GR Value at Base Line)}}{0.7 \text{ (} \underline{160} \text{ *)} = \underline{112} API Units$

III. Intervals with GR index less than 0.7 x (Value at Base Line):

Interval		Thickness of Interval Feet	Feet of less than* 0.7 (Shale Base Line) Feet
From**	To***		
3480'	5244'		

Total Devonian Interval 1764'

Total Less Than 0.7 (Shale Base) 30'

% Less Than 0.7 (Shale Base Line) =  $\frac{0.0170}{1} \times 100 = \underline{1.70\%}$

09/29/2023

\*Marked on log included with analysis.

\*\*Top of Devonian Section. Recorded on First Interval in this Column.

\*\*\*Lesser of TD or Bottom of Devonian Section Recorded as last Interval in this Column.

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES OIL AND GAS DIVISION

Date APR - 3 1985

Operator's Well No. IMPERIAL 31

API Well No.  
47 - 039 - 4126  
State County Permit

WELL CLASSIFICATION FORM  
HIGH COST GAS WELL - DEVONIAN SHALE  
NGPA Section 107

DESIGNATED AGENT Roland C. Baer, Jr.

ADDRESS P.O. Box 2587  
Charleston, WV 25329

LOCATION Elevation 1642  
Watershed GREENS BRANCH

WELL OPERATOR Allegheny & Western Energy Corp.

ADDRESS P.O. Box 2587  
Charleston, WV 25329

Dist. Cabin Crk. County Kanawha Quad. Eskdale

Gas Purchase Contract No. KAN-1

GAS PURCHASER Mountaineer Gas Company

ADDRESS P.O. Box 3152  
Charleston, WV 25332

Meter Chart Code \_\_\_\_\_

Date of Contract 6-21-84

\* \* \* \* \*

Date surface drilling began: 2-28-85

Indicate the bottom hole pressure of the well and explain how this was calculated.  
From Department of Interior Monograph 7

BHP = Absolute static pressure plus pressure from gas column  
BHP = ( 15 + 685 ) + (Specific Gravity X Depth)  
BHP = ( 700 + 43 )  
BHP = 743

AFFIDAVIT

I, Robert H. Hess, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(1) or (3)(i1)(A) has been filed, or as indicated by the report described in subparagraph (3)(i1)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

RH Hess

STATE OF WEST VIRGINIA  
COUNTY OF KANAWHA, TO-WIT:

I, Deborah J. Kuhl Auxier, a Notary Public in and for the state and county aforesaid, do certify that R H. Hess, whose name is signed to the writing above, bearing date the 3 day of April, 1985, ~~09/29/2023~~ acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 3 day of April, 1985.  
My term of office expires on the 29 day of May, 1990.

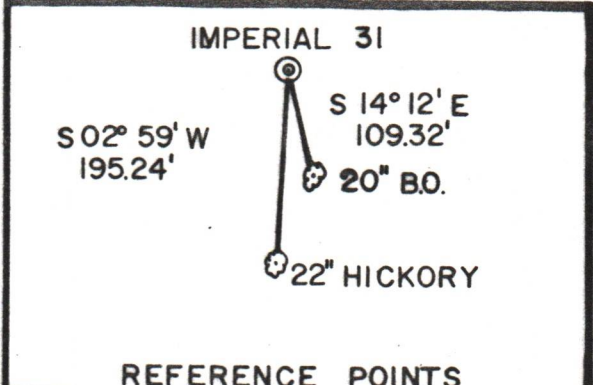
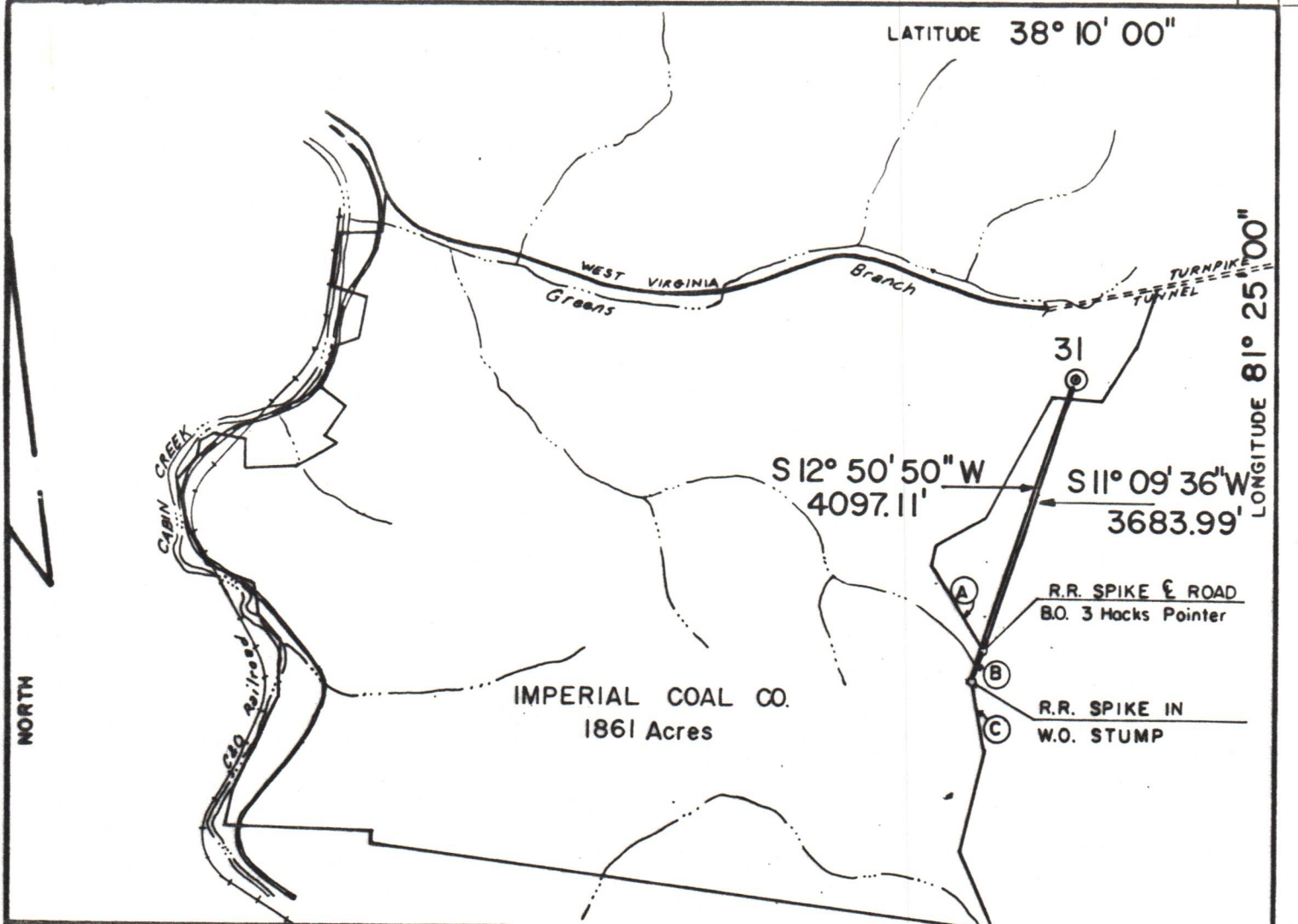
Deborah J. Kuhl Auxier  
Notary Public

(NOTARIAL SEAL)

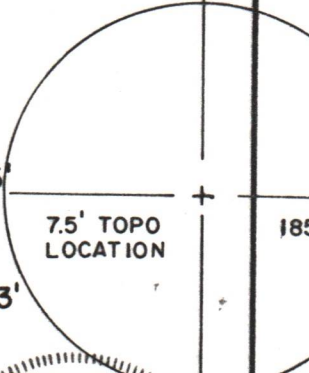
1111 2-14-85

LATITUDE 38° 10' 00"

LONGITUDE 81° 25' 00"



- (A) S 31° 12' E 1193.5'
- (B) S 25° 36' W 434'
- (C) S 09° 38' E 896.3'



FILE NO. 10-0002

DRAWING NO. \_\_\_\_\_

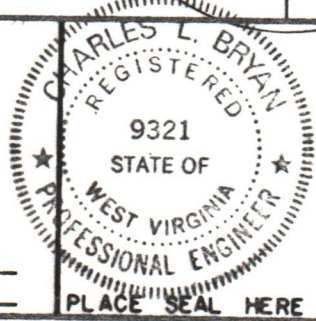
SCALE 1" = 2000'

MINIMUM DEGREE OF ACCURACY 1" in 2500'

PROVEN SOURCE OF ELEVATION USGS BM 9SKS 1963 ELEV. 731

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) Charles L. Bryan  
R.P.E. 9321 L.L.S. \_\_\_\_\_



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

FORM IV-6  
(8-78)



Department of Mines  
Oil & Gas Division

DATE JANUARY 24, 19 85

OPERATOR'S WELL NO. 31

API WELL NO. 47-039-4126

STATE 47 COUNTY 039 PERMIT 4126

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_

(IF "GAS", PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X)

LOCATION: ELEVATION 1642 WATER SHED GREENS BRANCH

DISTRICT CABIN CREEK COUNTY KANAWHA

QUADRANGLE CEDAR GROVE 7.5'

SURFACE OWNER IMPERIAL COAL COMPANY ACREAGE 1861

OIL & GAS ROYALTY OWNER IMPERIAL COAL COMPANY LEASE ACREAGE 1861

LEASE NO. \_\_\_\_\_

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

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_

TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5290

WELL OPERATOR ALLEGHENY & WESTERN DESIGNATED AGENT ROLAND C. BAER

ADDRESS PO. BOX 2587 ADDRESS SAME

CHARLESTON, W.Va. 25329