

RECEIVED  
FEDERAL IV-2(B)  
OIL & GAS DIVISION  
DEC 26 1984



1) Date: December 21, 1984  
2) Operator's Well No. Imperial #16 4106  
3) API Well No. 47 - 039 - ~~4006~~  
State County Permit

Corrected Permit No.

OIL & GAS DIVISION  
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: 1241 Watershed: Cabin Creek  
District: Cabin Creek County: Kanawha Quadrangle: Eskdale
- 6) WELL OPERATOR Allegheny & Western Energy Corp 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, 5990 feet
- 13) Approximate strata depths: Fresh, 670 feet; salt, 1570 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		900'	900'	300 cts	By Rule 15.05
Coal	7"	SMLS	23	X		2400'	2400'	200 cts	Sizes
Intermediate									
Production	4 1/2"	SMLS	10.5	X		5990'	5990'	200-400 sks	Depths set Or As Required
Tubing									By Rule 15.05
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-039-4006

December 27, 1984  
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 December 27, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>5</u>	<u>MH</u>	<u>MN</u>	<u>MN</u>	<u>01395</u>

Margaret J. Hassel  
Administrator, Office of Oil and Gas

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

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

09/29/2023

File







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</u>	<u>Page</u>
Farmout from:				
Columbia Gas Transmission Corp.		1/8	Recorded	5-11-78
United Fuel Gas Co.	Imperial Coal Co.	1/8	1060	189



1) Date: December 21, 1984  
2) Operator's Well No. Imperial #16  
3) API Well No. 47 - 039 - 4106  
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

5(i) COAL OPERATOR None  
Address \_\_\_\_\_

(i) Name Imperial Coal Company  
Address c/o Fredrick L. Thomas, Jr.  
President

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Imperial Coal Company  
Address c/o Fredrick L. Thomas, Jr.  
President

(ii) Name P. O. Box 273  
Address Charleston, WV 25321

Name P. O. Box 273  
Address Charleston, WV 25321

(iii) 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.

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.

DEPT. OF MINES  
OIL & GAS DIVISION

DEC 26 1984

RECEIVED

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 21 day of December, 1984.

My commission expires 8/13, 1991.

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





1) Date: December 21, 1984  
 2) Operator's Well No. Imperial #10  
 3) API Well No. 47 Q39  
 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: 1241 Watershed: Cabin Creek  
 District: Cabin Creek County: Kanawha Quadrangle: Eskdale
- 6) WELL OPERATOR Allegheny & Western Energy Corp 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 Bively  
 Address 223 Pinch Ridge Rd.  
Elkview, WV 26071
- 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, 5990 feet
- 13) Approximate trata depths: Fresh, 670 feet; salt, 1570 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	Top
Conductor									Kinds
Fresh water	9 5/8"	SMLS	32	X		900'	900'	300 cts	By Rule 15.05
Coal	7"	SMLS	23	X		2400'	2400'	200 cts	Sizes
Intermediate									
Production	4 1/2"	SMLS	10.5	X		5990'	5990'	200-400 sbs	Depths set Or As Required
Tubing									By Rule 15.05
Liners									Perforations:
									Top Bottom

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 Lee 24 Date 24

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

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

09/29/2023

Surface Owner



**RECEIVED**

JAN - 2 1985



1) Date: December 21, 19 84  
 2) Operator's Well No. Imperial #16  
 3) API Well No. 47 State 039 County 4706 Permit

**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: 1241 Watershed: Cabin Creek  
 District: Cabin Creek County: Kanawha Quadrangle: Eskdale
- 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 26071
- 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
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	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	9 5/8"	SMLS	32	X		900'	900'	300 cts	By Rule 15.05
Coal	7"	SMLS	23	X		2400'	2400'	200 cts	Sizes
Intermediate									
Production	4 1/2"	SMLS	10.5	X		5990'	5990'	200-400 sks	Depths set Or As Required
Tubing									By Rule 15.05
Liners									Perforations:
									Top Bottom

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**

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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 Dec 29 Date 84

Date: \_\_\_\_\_

(Signature)

(Signature)

Date: \_\_\_\_\_

**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.





1) Date: December 21, 19 84  
 2) Operator's Well No. Imperial #16  
 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  /  
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow  /)
- 5) LOCATION: Elevation: 1241 Watershed: Cabin Creek  
 District: Cabin Creek County: Kanawha Quadrangle: Eskdale
- 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 26071
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate  /  
 Plug off old formation  / Perforate new formation  /  
 Other physical change in well (specify) \_\_\_\_\_
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- 12) Estimated depth of completed well, 5990 feet  
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 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes  / No  /

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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		Kinds	
Conductor										
Fresh water	9 5/8"	SMLS	32	X		900'	900'	300 cts		By Rule 15.05
Coal	7"	SMLS	23	X		2400'	2400'	200 cts		Sizes
Intermediate										
Production	4 1/2"	SMLS	10.5	X		5990'	5990'	200-400 sks		Depths set Or As Required
Tubing										By Rule 15.05
Liners										Perforations:
										Top Bottom

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: Dec. 27, 19 84

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

09/29/2023  
 Coal Owner



IV-9  
(Rev 8-81)

RECEIVED



DEC 6 1984

State of West Virginia

DATE December 17, 1984  
WELL NO. Imperial #16  
API NO. 17 - 039 - 4006

OIL & GAS DIVISION Department of Mines  
DEPT. 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 \_\_\_\_\_

SOIL CONS. DISTRICT Capitol  
\_\_\_\_\_  
(Agent)

This plan has been reviewed by Capitol SCD. All corrections and additions become a part of this plan: \_\_\_\_\_  
DEC. 19 1984 (Date)

R. C. Alford  
(SCD Agent) SEE ATTACHED COMMENTS <sup>OK</sup> <sub>MA</sub>

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)  
Spacing Along Access Road  
Page Ref. Manual \_\_\_\_\_  
Structure \_\_\_\_\_ (B)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_  
Structure Cross Drains (C)  
Spacing As shown on sketch  
Page Ref. Manual 2:1 to 2:6

Structure Diversion Ditch (1)  
Material Earthen  
Page Ref. Manual 2:12 to 2:13  
Structure \_\_\_\_\_ (2)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_  
Structure Pit (3)  
Material Dug, and plastic lined  
Page Ref. Manual \_\_\_\_\_

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.

George F. Rollins Jr.  
PLAN PREPARED BY A E Associates, Ltd.

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

09/29/2023









**RECEIVED**  
MAR 28 1985  
OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date March 15, 1985  
Operator's  
Well No. Imperial # 16  
Farm Imperial Coal  
API No. 47 039 4106

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: 1241 Watershed Cabin Creek  
District: Cabin Creek County Kanawha Quadrangle Eskdale

COMPANY Allegheny & Western Energy  
ADDRESS P. O. Box 2587, Charleston, WV  
DESIGNATED AGENT R.C. Baer  
ADDRESS P.O. Box 2587, Charleston, WV  
SURFACE OWNER Imperial Coal Company  
ADDRESS P. O. Box 273, Charleston, WV  
GENERAL RIGHTS OWNER Imperial Coal  
ADDRESS P.O. Box 273, Charleston, WV  
REGULATORY AND GAS INSPECTOR FOR THIS WORK  
C. Hively ADDRESS Elkview, WV  
PERMIT ISSUED 12-27-84  
DRILLING COMMENCED 12-31-84  
DRILLING COMPLETED 1-3-85

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13- <del>14</del> "	40	40	To Surf
9 5/8	1025	1025	300SX
8 5/8			
7	2367	2367	175SX
5 1/2			
4 1/2	4894	4894	225SX
3			
2			
Liners used			

LOGICAL TARGET FORMATION Devonian Shale Depth 3110 feet  
Depth of completed well 4920 feet Rotary X / Cable Tools  
Water strata depth: Fresh 670 feet; Salt 1570 feet  
Coal seam depths: N/A Is coal being mined in the area? NO

FLOW DATA  
Producing formation Big Lime Coffee Shale Pay zone depth 2458 3030 feet  
Gas: Initial open flow 80 260 340 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 520 psig (surface measurement) after 24 hours shut in **09/29/2023**  
(If applicable due to multiple completion--)  
Second producing formation Devonian Shale Pay zone depth 3110 feet  
Gas: Initial open flow \_\_\_ Mcf/d Oil: Initial open flow \_\_\_ Bbl/d  
Final open flow 284 Mcf/d Oil: Final open flow \_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_ hours  
Static rock pressure 700 psig (surface measurement) after 24 hours shut in



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

Perforate 3453 - 4842 w/40 holes  
 2610 - 3372 w/40 holes  
 2414 - 2560 w/10 holes

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 MAR 29 1985  
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 DEPT. OF MINES

Acidize with 9000 gal 28% HCl, 134,000 scf N<sub>2</sub>

Frac with 1100 gal 15% HCl, 60,000# 20/40 sand, and 1,200 MMscf N<sub>2</sub>

Frac with 1900 gal 15% HCl, 60,000# 20/40 sand and 1,200 MMscf N<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	550	
Slate & Shale			550	950	
Shale			950	1240	
Sandstone			1240	1520	
Shale			1520	2170	
Pencil Cve			2170	2180	
Shale			2180	2190	
Little Lime			2190	2390	
Shale			2390	2458	
Big Lime			2458	2566	
Shale			2566	2570	
Big Injun			2570	2610	
Shale			2610	2678	
Upper Weer			2678	2722	
Shale			2722	3030	
Coffee Shale			3030	3040	
Berea			3040	3110	
Devonian Shale			3110	4920 TD	

(Attach separate sheets as necessary)

ALLEGHENY & WESTERN ENERGY CORPORATION

Well Operator

By:

*R. H. Hess*

09/29/2023

Date: March 18, 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 coal, encountered in the drilling of a well."



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

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INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 039-4106

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

Company Allegheny western

Address \_\_\_\_\_

Farm Imperial Coal Co.

Well No. Imperial Coal # 16

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 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 \_\_\_\_\_

Remarks:  
Moving Dowell on location to do well frac.

1-16-85  
DATE

Carlos W. Hardy  
DISTRICT WELL INSPECTOR

09/29/2023



2/16/82

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**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



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

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FEB 5 - 1985  
OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4106

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

Company Allegheny western

Address \_\_\_\_\_

Farm Imperial Coal Co.

Well No. Imperial #16

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 Petro well service

Remarks: Rig on location doing well swab.

1-28-85  
DATE

Carlos W. Hinchey  
DISTRICT WELL INSPECTOR

09/29/2023







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

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AUG 26 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

INSPECTOR'S WELL REPORT

Permit No. 039-4106

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

Company <u>Allegheny &amp; 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>Imperial Coal # 16</u>	13			
District <u>Cabin Creek</u> County <u>Kanawha</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			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 \_\_\_\_\_

Remarks:

Brush needs cut below location  
& access road needs reseeded.

8-21-85  
DATE

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



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
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		
CEMENT-THICKNESS	PLUGS USED AND DEPTH PLACED		LEAD	CONSTRUCTION-LOCATION	CASING AND TUBING		
	WOOD-SIZE				RECOVERED	SIZE	LOST

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

Remarks:  
  
access road needs to be resealed.  
Block needs cut below location.

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

09/29/2023

DISTRICT WELL INSPECTOR





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OIL AND GAS

JAN 8 1986

State of West Virginia  
Department of Mines  
Oil and Gas Division  
Charleston 25305

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
April 3, 1985

COMPANY Allegheny & Western Energy

PERMIT NO 039-4106 (12-27-84)

P. O. Box 2587

FARM & WELL NO Imperial Coal Co. #16

Charleston, West Virginia 25329

DIST. & COUNTY Cabin Creek/Kanawha

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 Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strenght	_____	_____
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	_____	_____
7.05	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-Oil & Gas Division

January 16, 1986  
DATE



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OIL AND GAS



1

JAN 8 1985

Department of Energy  
Oil and Gas Division  
Washington, D.C. 20585

TO: [Illegible]

[Illegible body text]

[Handwritten signature]



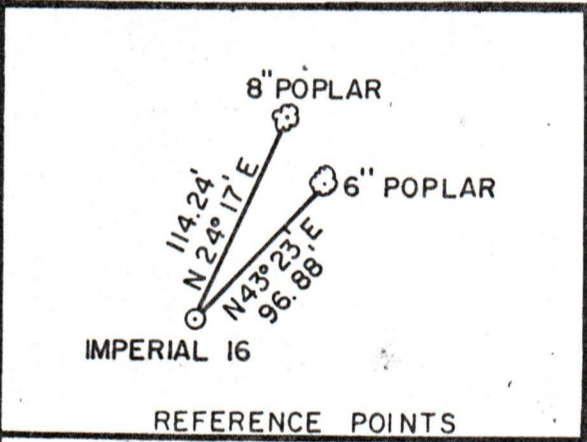
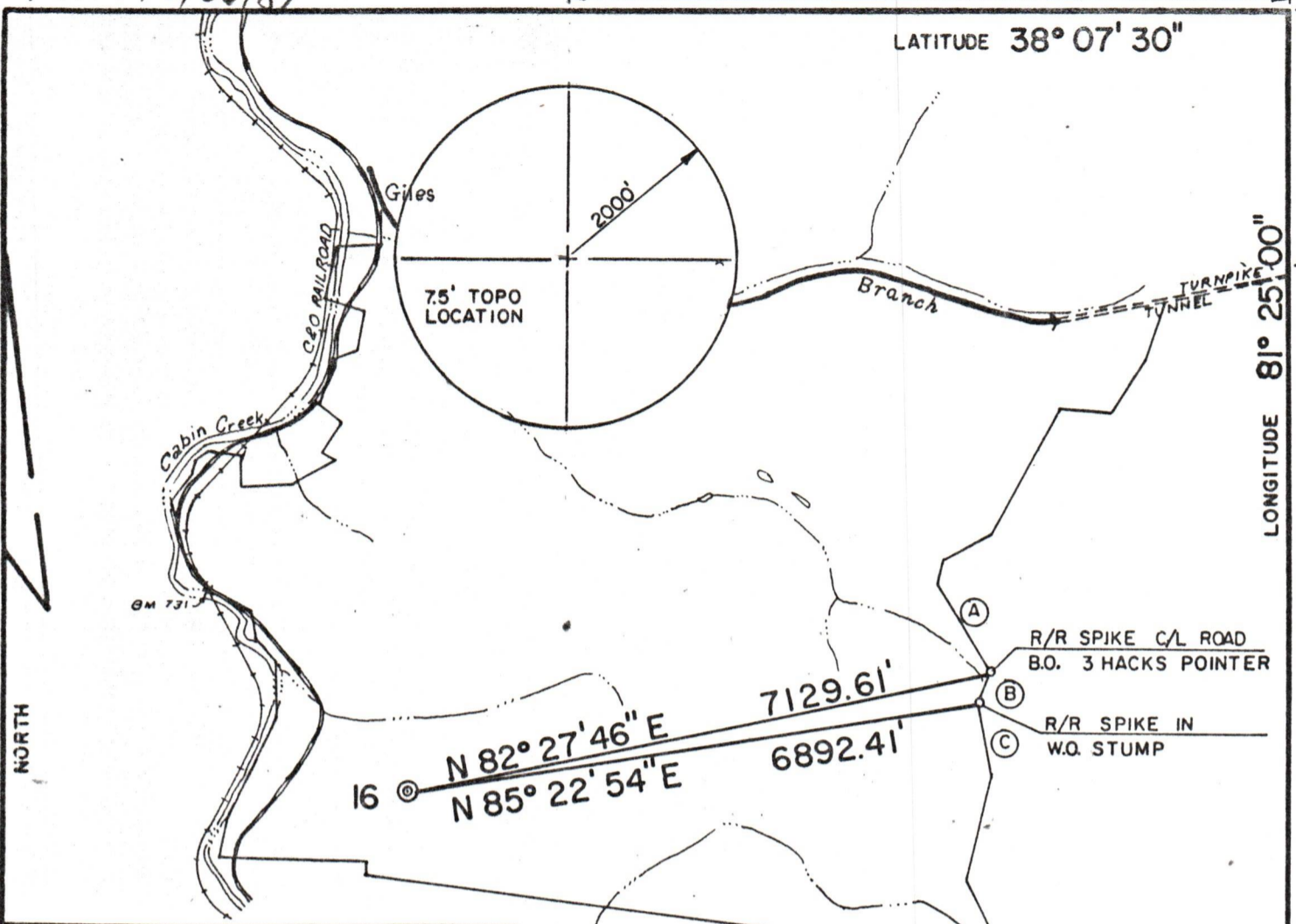
YNN 12/26/84

8500'

LATITUDE 38° 07' 30"

3000'

LONGITUDE 81° 25' 00"



- (A) S 31° 12' E 1193.5'
- (B) S 25° 36' W 434'
- (C) S 9° 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 DECEMBER 20 19 84  
 OPERATOR'S WELL NO. 16  
 API WELL NO. \_\_\_\_\_  
**47 - 039 - 4106**  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS", PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X)  
 LOCATION: ELEVATION 1241 WATER SHED CABIN CREEK  
 DISTRICT CABIN CREEK COUNTY KANAWHA  
 QUADRANGLE ESKDALE

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 5990'  
 WELL OPERATOR ALLEGHENY & WESTERN DESIGNATED AGENT ROLAND C. BAER  
 ADDRESS P.O. BOX 2587 ADDRESS SAME  
CHARLESTON, WV 25329

09/29/2023