

RECEIVED

FEB 14 1985

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



1) Date: February 8, 19 85
 2) Operator's Well No. Imperial #30
 3) API Well No. 47 - 039 - 4125
 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: 1694 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 1100 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 / 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 trata depths: Fresh, 1120 feet; salt, 2020 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		1250'	1250'	300 cts	By Rule 15.05
Coal	7"	SMLS	23	X		2150'	2150'	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 47-039-4125

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: 5	Agent: MH	Plat: MH	Casing: MH	Fee: 1602
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Margaret J. Lasse
 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

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: _____

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1) Date: February 8, 1985
2) Operator's Well No. #30 Imperial
3) API Well No. 47-039-4125 State County Permit

OIL & GAS DIV. DEPARTMENT OF MINES, OFFICE OF OIL & GAS
DEPT. OF MINES

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

5(i) COAL OPERATOR Address

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

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

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

Name Imperial Coal Company
Address c/o Fredrick L. Thomas Jr.
President

(iii) Name
Address

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.
[X] 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

WELL

OPERATOR Allegheny & Western Corporation

By R.H. Hess Its President

Address P.O. Box 2587 Charleston, WV 25329

Telephone (304) 343-4327

this 8 day of February, 19 85.

My commission expires 8/13, 19 91.

Notary Public, Kanawha County, State of West Virginia

09/29/2023

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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.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)

I N L I E U O F F I L I N G L E A S E (S) A N D O T H E R C O N T I N U I N G C O N T R A C T (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>
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Farmout from:

Columbia Gas Transmission Corp.		1/8	Recorded	5-11-78
United Fuel Gas Company	Imperial Coal Co.	1/8	1060	189



1) Date: February 8, 19 85
 2) Operator's Well No. Imperial #30
 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: 1694 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 / 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, 1120 feet; salt, 2020 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		1250'	1250'	300 cts	By Rule 15.05
Coal	7"	SMLS	23	X		2150'	2150'	200 cts	Sizes
Intermediate									
Production	4 1/2"	SMLS	10.5	X		5290'	5290'	400 sks	Depths set Or As Required
Tubing									By Rule 15.01
Liners									Perforations:
									Top Bottom

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 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 Company
L. L. Haver
 Its _____

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's Name _____
3) Well No. _____
4) APT Well No. _____
5) State _____

6) WELL TYPE: A. Oil _____ Gas _____
B. Oil Gas Production _____
7) LOCATION: Elevation _____
County _____
8) WELL OPERATOR: _____
Address _____
9) DRILLING CONTRACTOR: _____
Name _____
Address _____
10) PROPOSED WELL WORK: Drill _____
Type of old formation _____
Other physical change in well (specify) _____
11) GEOLOGICAL TARGET FORMATION: _____
12) Estimated depth of target well _____
13) Approximate test depth _____
14) Approximate casing depth _____
15) CASING AND TUBING PROGRAM: _____

LITHOLOGY	DEPTH (feet)	PERCENTAGE OF SAND	SPECIFIC GRAVITY			WATER CONTENT (%)	CATIONICITY
			Grain	Matrix	Interstitial		
Shale	0-10	10					
Shale	10-20	10					
Shale	20-30	10					
Shale	30-40	10					
Shale	40-50	10					
Shale	50-60	10					
Shale	60-70	10					
Shale	70-80	10					
Shale	80-90	10					
Shale	90-100	10					

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FEB 1 11 1988
OIL & GAS DIV.
STATE OF WEST VIRGINIA

INSTRUCTIONS TO COAL OPERATOR/OWNER/LESSEE

The names and addresses of coal owners, coal lessees and operators are listed on the attached map and are subject to change. The names and addresses of coal owners, coal lessees and operators are listed on the attached map and are subject to change. The names and addresses of coal owners, coal lessees and operators are listed on the attached map and are subject to change.

The applicant shall provide a copy of this application to the State of West Virginia Department of Mines, Oil and Gas Division, 1500 Kanawha Street, Charleston, West Virginia 25302. The applicant shall also provide a copy of this application to the local health department and the local fire department. The applicant shall also provide a copy of this application to the local health department and the local fire department.

Approved Coal Operator
J. H. ...

Mr. ...



1) Date: February 8, 19 85
 2) Operator's Well No. Imperial #30
 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 /
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- 5) LOCATION: Elevation: 1694 Watershed: Greens Branch
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- 6) WELL OPERATOR: Allegheny & Western Energy Corp. 7) DESIGNATED AGENT: Roland C. Baer, Jr.
 Address: P. O. Box 2587 Address: P. O. Box 2587
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- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
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- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate /
 Plug off old formation _____ / Perforate new formation /
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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	<u>9 5/8"</u>	<u>SMLS</u>	<u>32</u>	<input checked="" type="checkbox"/>		<u>1250'</u>	<u>1250'</u>	<u>300 cts</u>	<u>By Rule 15.05</u>
Coal	<u>7"</u>	<u>SMLS</u>	<u>23</u>	<input checked="" type="checkbox"/>		<u>2150'</u>	<u>2150'</u>	<u>200 cts</u>	Sizes
Intermediate									
Production	<u>4 1/2"</u>	<u>SMLS</u>	<u>10.5</u>	<input checked="" type="checkbox"/>		<u>5290'</u>	<u>5290'</u>	<u>0-400 sks</u>	Depths set <u>Or As Required</u>
Tubing									<u>By Rule 15.01</u>
Liners									Perforations:
									Top Bottom

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 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.)
 NAME: _____
 By _____
 Its _____ Date Feb 8 85

(For execution by natural persons)

 (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.



FEB. 7 1985

DATE February 4, 1985
WELL NO. Imperial #30
API NO. 47-039-4125

IV-9
(Rev 8-81)

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

SOIL CONS. DISTRICT Capitol
(Agent)

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

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

"SEE ATTACHED COMMENTS"

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 _____	
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

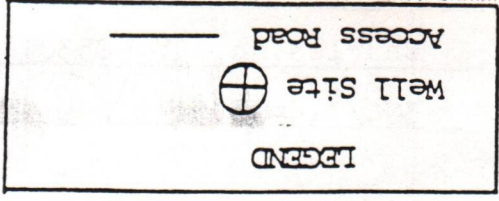
*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

George F. Rollins Jr.

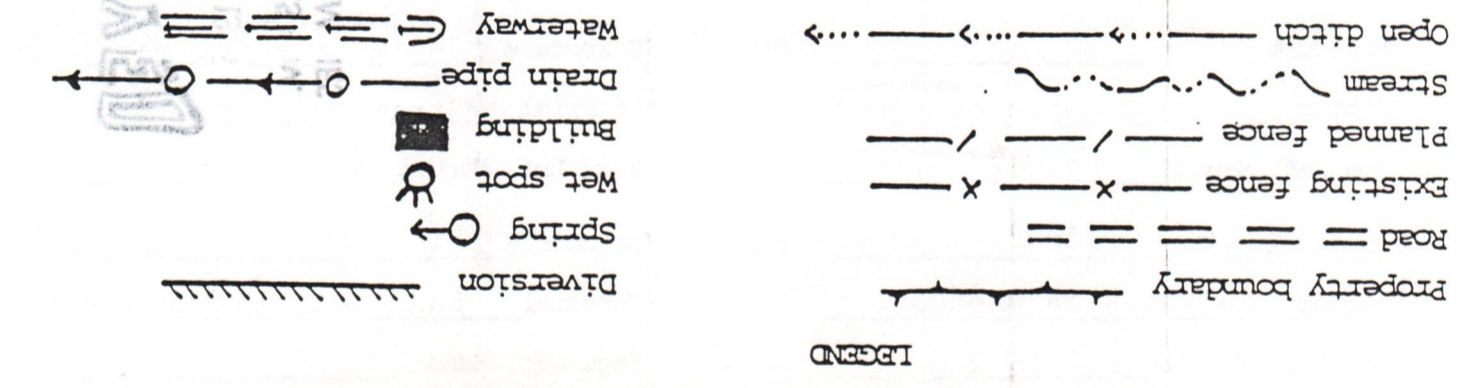
PLAN PREPARED BY A E Associate 09/29/2023
ADDRESS 1206 Virginia Street, East
Charleston, WV 25301
PHONE NO. 304/346-0505

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

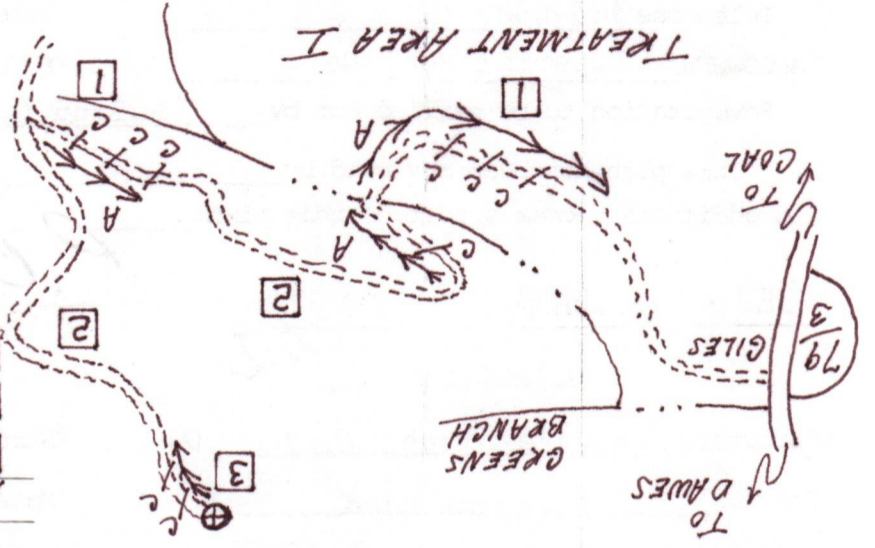
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE CEDAR GROVE 7.5'



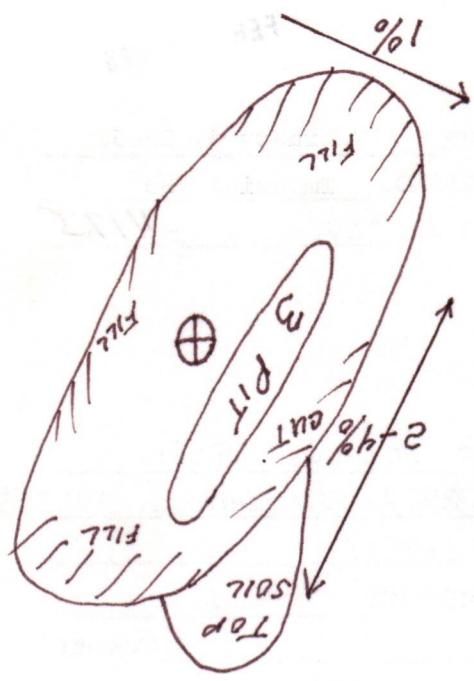
Sketch to include drilling pits and part of this plan. Include all natural drainage. acted, well sites with the first



SPACING OF	LENGTH OF	Access Rd.	SLOPE	CROSS DRAINS
3	300.	10 to 12%	As Needed	90'
2	7300.	2 to 5%	As Needed	90'
1	6400.	4 to 8%	As Needed	95'
14,000' TOTAL				



NOTE: Access Rd. To follow existing GOAL RD. & STRIP BENCH. RDS. TO BE UP-GRADED WITH EROSION CONTROL IN MIND. ALL OUTLETS OF DRAINAGE AND DITCHES WILL BE TO STABLE AREAS. ALL BRUSH & TIMBER TO BE CUT PRIOR TO ANY EARTH MOVEMENT. TIMBER 6" AND UP TO BE STACKED. LOCATION TO BE CONSTRUCTED ON PT. ON FLAT. AREA HAS BEEN TIMBERED. SCARS GROWTH LEFT. TOP SOIL TO BE STOCK-PILED FOR RECLAMATION.



TREATMENT AREA II



RECEIVED
 IV-35 (Rev. 8-81) MAY 20 36
 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 # 30
 Farm Imperial Coal Company
 API No. 47 - 039 - 4125

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: 1694 Watershed Greens Branch
 District: Cabin Creek County Kanawha Quadrangle Cedar Grove

COMPANY Allegheny & Western Energy
 ADDRESS P.O. Box 2587, Charleston, WV 25329
 DESIGNATED AGENT R. C. Baer
 ADDRESS P.O. Box 2587, Charleston, WV 25329
 SURFACE OWNER Imperial Coal Company
 ADDRESS P.O. Box 273, Charleston, West Virginia
 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 2-24-85
 DRILLING COMPLETED 3-1-85

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-1/2"	40	40	To Surf
9 5/8	1200	1200	400 SX
8 5/8			
7	2889	5275	175 SX
5 1/2			
4 1/2	5275	5275	225SX
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 3516 feet
 Depth of completed well 5329 feet Rotary X / Cable Tools _____
 Water strata depth: Fresh 1120 feet; Salt 2020 feet
 Coal seam depths: N/A Is coal being mined in the area? NO

OPEN FLOW DATA
 Producing formation Big Lime Pay zone depth 2908 feet
 Gas: Initial open flow -- Mcf/d Oil: Initial open flow - Bbl/d
 Final open flow 57 Mcf/d Final open flow - Bbl/d
 Time of open flow between initial and final tests _____ hours
 Static rock pressure 510 psig (surface measurement) after 24 hours shut in
 (If applicable due to multiple completion--)
 Second producing formation Devonian Shale Pay zone depth 3516 feet
 Gas: Initial open flow - Mcf/d Oil: Initial open flow _____ Bbl/d
 Final open flow 385 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)

KAN 4125

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

Perforate 2900- 3030 W/10 Holes
 Perforate 3900-5236 W/ 50 Holes
 Perforate 3126-3566 W/ 40 Holes
 Acidize W/9000 gal 28% HCl , 174,000 M scf N₂
 Frac w/1800 gal 15% HCl, 60,000 # 20/40 Sand, & 1150 Mscf N₂
 Frac W/1200 Gal 15% HCl, 60,000 # 20/40 sand & 1,000 M scf N₂

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	1000	
Slate & Shale			1000	1400	
Shale			1400	1690	
Sand & Stone			1690	1970	
Shale			1970	2620	
Pencil Cave			2620	2630	
Shale			2630	2640	
Little Lime			2640	2840	
Shale			2840	2908	
Big Lime			2908	3016	
Shale			3016	3020	
Big Injun			3020	3060	
Shale			3060	3070	
Upper Weir			3070	3128	
Shale			3128	3480	
Coffee Shale			3480	3490	
Berea			3490	3516	
Devonian Shale			3516	5329	5329 TD

(Attach separate sheets as necessary)

Allegheny & Western Energy Corporation
 Well Operator

By: RN Hess

09/29/2023

Date: April 15, 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

RECEIVED

FEB 27 1985

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 039-4125

Oil or Gas Well _____
(KIND)

Company Allegheny Western

Address _____

Farm Imperial Coal Co.

Well No. Imperial #30

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 on 2-21-85. Today drilling at 910' deep & soaping hole.

2-22-85
DATE

Charles W. Hines
DISTRICT WELL INSPECTOR

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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MAR 5 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4125

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>Imperial # 30</u>	13			
District <u>Cabin Creek County Kanawha</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/4			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 F.W.A. Drilling Co. Rig # 22

Remarks: set 1310' of 9 5/8" casing + cemented with 500 sacks Class A 3% C.C. plug down at 3:00 a.m. on 2-23-85. Today set 2889' of 7" casing + cemented with 175 sacks Class A 3% C.C. plug down at 7:00 p.m.

2-25-85
DATE

Carlos W. Hines
DISTRICT WELL INSPECTOR

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

DISTRICT WELL INSPECTOR

09/29/2023

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

RECEIVED
MAR 5 - 1985

OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well _____
(KIND)

INSPECTOR'S WELL REPORT

Permit No. 039-4125

Company Allegheny Western
 Address _____
 Farm Imperial Coal Co.
 Well No. Imperial # 30
 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 F.W.A. Drilling Co. Rig # 22

Remarks:
T.D. hole at 5301' deep & pulling drill pipe.

2-22-85
DATE

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

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

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OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 039-4125

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>Imperial #30</u>	13			
District <u>Cabin Creek</u> County <u>Kanawha</u>	10			Size of _____
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 3/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used			Perf. bottom _____
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			

Drillers' Names _____

Remarks:

Doing well perforation + young wireline service doing perforate.

3-4-85
DATE

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

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MAR 1 8 3AM
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

_____ 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. 039-4125

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			
Well No. <u>Imperial #30</u>	13			Size of _____
District <u>Cabin Creek</u> County <u>Kanawha</u>	10			
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.				
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 Petro Services Inc.

Remarks: Service Rig on location doing well swab.

3-15-85
DATE

Carlos W. Hinds
DISTRICT WELL INSPECTOR

09/29/2023

29-May-85

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

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

JAN 8 1986

Company: ALLEGHENY & WESTERN ENERGY CORP, Permit No. 47- 39-4125
Farm: IMPERIAL COAL COMPANY Well: IMPERIAL 30 County: KANAWHA

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

January 17, 1986
Date

RECEIVED
 DEPARTMENT OF ENERGY
 OIL AND GAS

29-Mar-02

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

JAN 11 2002

Permit No. 47-29-A122
 County: KANAWHA

Operator: ALLEGHENY & WESTERN ENERGY CORP.
 Well: IMPERIAL COAL COMPANY Well: IMPERIAL 30

Rule	Description	In Compliance
		Yes No
23.06	Notification prior to starting work	
23.04	Prepared before drilling to prevent waste	
23.03	High pressure drilling	
23.01	Required permits of wells	
23.02	Adequate Fresh Water Casings	
23.02	Adequate Coal Casings	
23.01	Adequate Production Casings	
23.04	Adequate Cement Strength	
23.02	Cement Type	
23.02	Maintained Access Roads	
23.01	Necessary Equipment to Prevent Waste	
23.04	Required Drilling Pits	
23.02	No Surface or Underground Pollution	
23.07	Requirements for Production & Gathering Pipelines	
23.01	Well Records on Site	
23.01	Well Records Filed	
23.01	Identification Markings	

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

SIGNED _____
 DATE _____

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

[Signature]
 Administrator

January 17, 2016
 Date

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

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 039 - 4125 -			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA	3 Category Code	<div style="font-size: 2em; font-weight: bold; border: 1px solid black; padding: 5px; display: inline-block;">RECEIVED</div> JUN - 3 1985 OIL & GAS DIV. DEPT. OF MINES <small>Seller Code</small>	
3.0 Depth of the deepest completion location (Only needed if sections 103 or 107 in 2.0 above)	5236 feet			
4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)	Allegheny & Western Energy Corporation Name P.O. Box 2587 Street Charleston WV 25329 City State Zip Code			
5.0 Location of this well (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name) (b) For OCS wells:	Cabin Creek District Field Name Kanawha WV County State Area Name _____ Block Identifier _____ Date of Lease: <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> Mo. Day Yr. NA OCS Lease Number			
(c) Name and identification number of this well (35 letters and digits maximum)	IMPERIAL COAL #30			
(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.) (b) Date of the contract:	Mountaineer Gas Company Name NA Buyer Code Date of contract: <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> Mo. Day Yr.			
(c) Estimated total annual production from the well:	_____ Million Cubic Feet			
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU 3.400	(b) Tax _____	(c) All Other Prices (Indicate (+) or (-)) _____	(d) Total of (a), (b) and (c) 3.400
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU _____	D E R E G U L A T E D		
9.0 Person responsible for this application:	R. H. Hess Name <i>RH Hess</i> President Signature APR - 3 1985 Date Application is Completed 304-343-4327 Phone Number			

Agency Use Only
 Date Received by Juris. Agency
JUN - 3 1985
 Date Received by FERC

FERC-171 (8-82)

09/29/2023

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

JUN 28 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date APR - 3 1985 19 85

1100

AGENCY USE ONLY *Dev.*

Applicant's Name: Allegheny & Western Energy

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

Gas Purchaser Contract No. _____

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 -107³-039-4125
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: *RH Hess*

Address: P.O. Box 2587
(Street or P.O. Box)
Charleston, WV 25329

Telephone: (304) 343-4327
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

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

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

AGENCY USE ONLY

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.: 47-039-4125 Well Name: IMPERIAL #30

West Virginia Office of Oil and Gas County: _____

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: $0.7 \text{ (GR Value at Base Line)}$
 $0.7 \text{ (160 *)} = \underline{112}$ 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***		
3565'	5329'		

Total Devonian Interval 1764'

Total Less Than 0.7 (Shale Base) 20'

% Less Than 0.7 (Shale Base Line) = $\frac{0.0113}{1} \times 100 = \underline{1.13} \%$

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.

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. IMPERIAL #30

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 1694

WELL OPERATOR Allegheny & Western Energy Corp. Watershed Greens BRANCH

ADDRESS P.O. Box 2587 Dist. Cabin Crk. County Kanawha Quad. Eskdale

Charleston, WV 25329

Gas Purchase Contract No. KAN-1

GAS PURCHASER Mountaineer Gas Company

Meter Chart Code N/A

ADDRESS P.O. Box 3152

Date of Contract 6-21-84

Charleston, WV 25332

* * * * *

Date surface drilling began: 2-24-85

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 + 44)
BHP = 744

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)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(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.

R H 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, 06/29/2023 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.

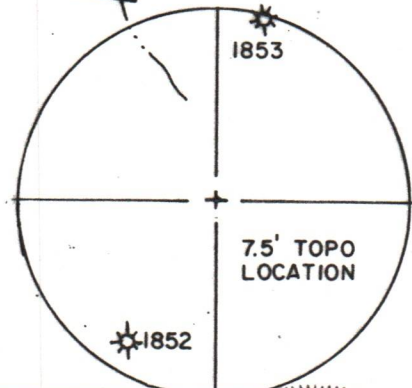
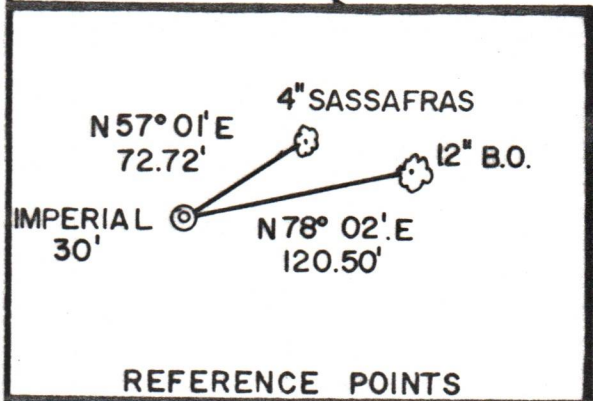
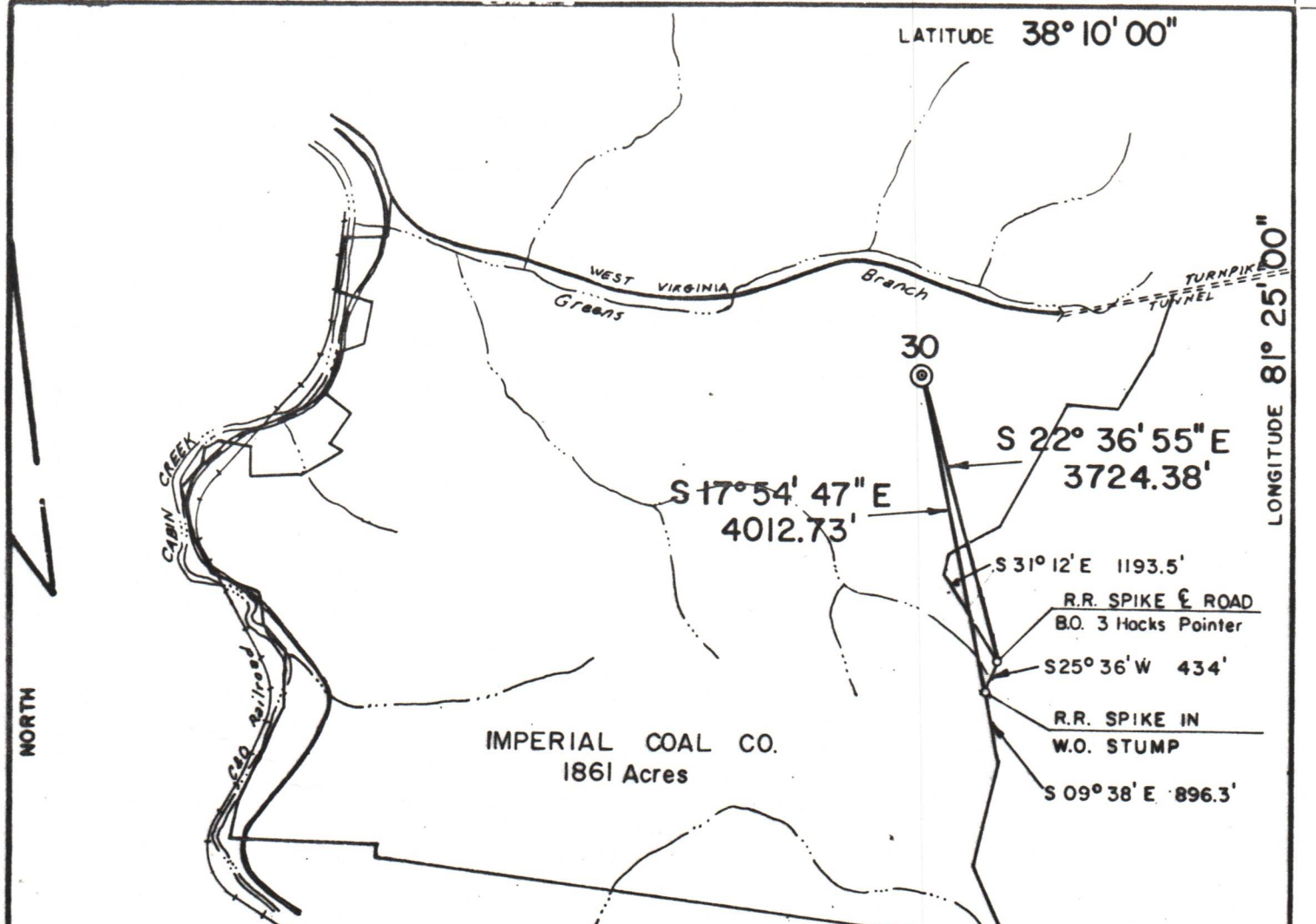
Deborah J. Kuhl Auxier
Notary Public

(NOTARIAL SEAL)

2475'

LATITUDE 38° 10' 00"

LONGITUDE 81° 25' 00"



FILE NO. 10-0002

DRAWING NO. _____

SCALE 1" = 2000'

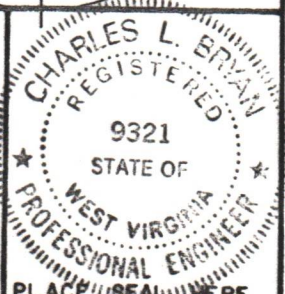
MINIMUM DEGREE OF ACCURACY 1" in 2500'

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)

DATE JANUARY 24 19 85

OPERATOR'S WELL NO. 30

API WELL NO. 47-039-4125

STATE 47 COUNTY 039 PERMIT 4125

Department of Mines
Oil & Gas Division

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

LOCATION: ELEVATION 1694 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 CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5290

WELL OPERATOR ALLEGHENY & WESTERN DESIGNATED AGENT ROLAND C. BAER

ADDRESS P.O. BOX 2587 ADDRESS SAME
CHARLESTON, W.Va. 25329

09/29/2023