

RECEIVED

FEB 14 1985



1) Date: February 8, 19 85
 2) Operator's Well No. Imperial #29
 3) API Well No. 47 - 039 - 4124
 State County 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 X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1156 Watershed: Greens Branch
 District: Cabin Creek County: Kanawha Quadrange: 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 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 trata depths: Fresh, 600 feet; salt, 1500 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 in well | | |
| Conductor | | | | | | | | | Kinds |
| Fresh water | 9 5/8" | SMLS | 32 | X | | 800' | 800' | 300 cts | By Rule 15.05 |
| Coal | 7" | SMLS | 23 | X | | 1650' | 1650' | 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 47-039-4124

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.

| | | | | |
|-------|--------|-------|--------|------|
| Bonds | Agent: | Plat: | Casing | Fee |
| 5 | MW | MW | MW | 1602 |

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

1. WELL OPERATOR: Allegheny & Western Energy Corp. - RESIDENTIAL DEPT. P.O. Box 2527 Charleston, W.V. 25329

2. WELL LOCATION: Kanawha County, Martin Creek, Cedar Grove

3. WELL OWNER: Roland C. Baker, Jr. P.O. Box 2527 Charleston, W.V. 25329

4. DRILLING CONTRACTOR: [Name] 223 Pinch Ridge Rd. Ellettsville, W.V. 25071

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

Follow-up inspection(s)

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. Imperial # 29
3) API Well No. 47 - 039 - 4/24 State County Permit

STATE OF WEST VIRGINIA
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 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 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 8 day of February, 1985.

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

RECEIVED

FEB 1 1981
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</u> | <u>Page</u> |
|------------------------------|------------------------------|----------------|-------------|-------------|
|------------------------------|------------------------------|----------------|-------------|-------------|

Farmout from:

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

SURFACE OWNER'S COPY



1) Date: February 8, 19 85
 2) Operator's Well No. Imperial #29
 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 X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1156 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 Nively
 Address 223 Pinch Ridge Rd.
Elkview, WV 25071
- 9) DRILLING CONTRACTOR:
 Name _____ Address _____
- 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 trata depths: Fresh, 600 feet; salt, 1500 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 in well | | |
| Conductor | | | | | | | | | Kinds |
| Fresh water | 9 5/8" | SMLS | 32 | X | | 800' | 800' | 300 cts | By Rule 15.05 |
| Coal | 7" | SMLS | 23 | X | | 1650' | 1650' | 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 |

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 _____

Imperial Coal Company

 (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.

09/29/2023
Surface Owner



1) Date: February 8, 1985
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 DEPARTMENT OF MINES, OIL AND GAS DIVISION
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| Conductor | | | | | | | | | Kinds |
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| Coal | 7" | SMLS | 23 | X | | 1650' | 1650' | 200 cts | Sizes |
| Intermediate | | | | | | | | | |
| Production | 1 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 |

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, 1985

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

09/29/2023
 Coal Owner

FEB. 7 1985



IV-9
(Rev 8-81)

DATE February 4, 1985
WELL NO. Imperial #29
API NO. 47-039-4124

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.

SOIL CONS. DISTRICT Capitol

Revegetation to be carried out by Roland C. Baer (Agent)

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

"SEE ATTACHED COMMENTS" R. C. Alford (Date) FEB. 11 1985
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)
Spacing Along Access Road
Page Ref. Manual _____

Structure Diversion Ditch (1)
Material Earthen
Page Ref. Manual 2:12 to 2:13

Structure _____ (B)
Spacing _____
Page Ref. Manual _____

Structure _____ (2)
Material _____
Page Ref. Manual _____

Structure Cross Drains (C)
Spacing As shown on sketch
Page Ref. Manual 2:1 to 2:6

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

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

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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

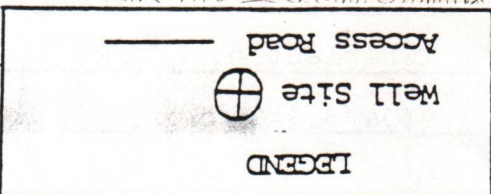
PLAN PREPARED BY A.E. Associate 09/29/2023

ADDRESS 1206 Virginia Street, East
Charleston, WV 25301

PHONE NO. 304/346-0505

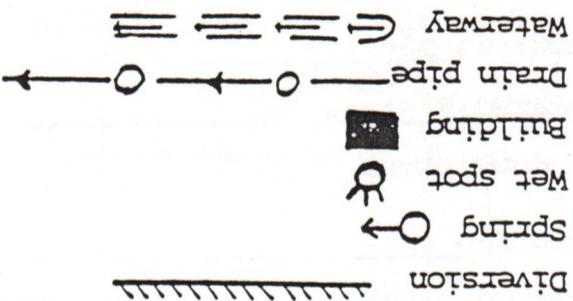
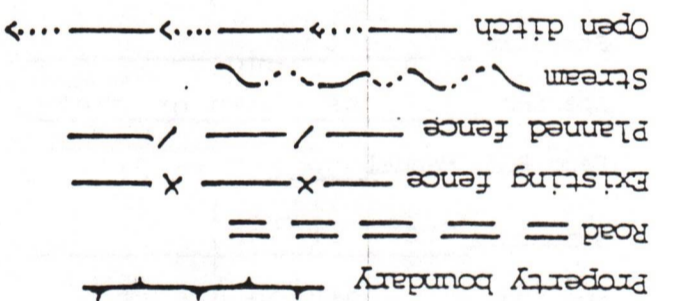
NOTES: Please request landowner's cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.

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

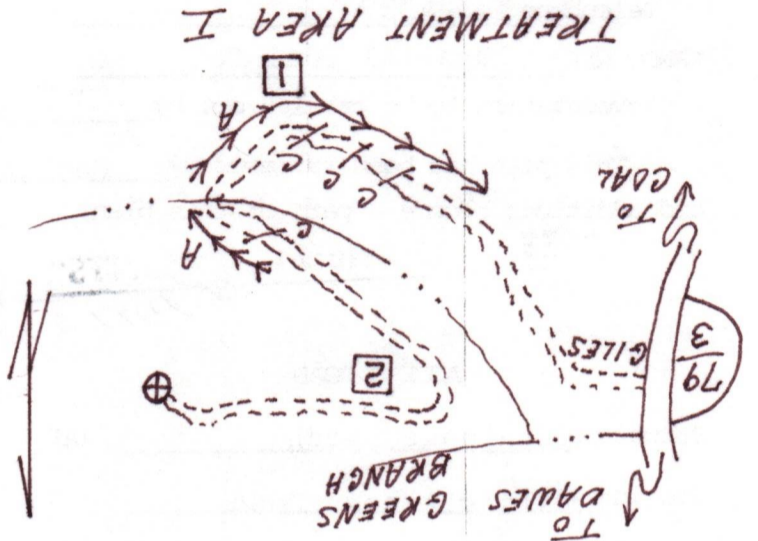


Sketch to include well location, existing access road, roads to be constructed, well site, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

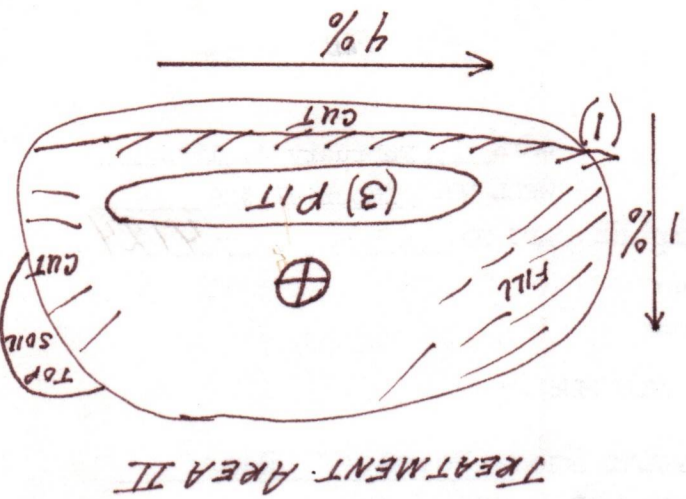
LEGEND



| LENGTH OF ACCESS RD. | SLOPE CROSS DRAINS | SPACING OF |
|----------------------|--------------------|------------|
| 1 5200' | 4 to 8% | 9.5% |
| 2 3900' | 2 to 4% | AS NEEDED |
| 9100' TOTAL | | |



NOTE: Access Rd. to follow existing coal rds, a 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 old strip bench. Top soil to be stock piled for reclamation.



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 Imperial Coal # 29

Well No. Imperial Coal Company

Farm Imperial Coal Company

API No. 47 - 039 - 4124

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: 1156 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 Roland C. Baer

ADDRESS P.O. Box 2587, Charleston, WV

SURFACE OWNER Imperial Coal Co.

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 2-23-85

DRILLING COMPLETED 3-2-85

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

| Casing & Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|------------------|------------------|--------------|------------------------|
| Size 20-16 Cond. | | | |
| 13-10" | 40 | 40 | To Surf |
| 9 5/8 | 1050 | 1050 | 300SX |
| 8 5/8 | | | |
| 7 | 2314 | 2314 | 175 sx |
| 5 1/2 | | | |
| 4 1/2 | 4860 | 4860 | 225 sx |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 3021 feet

Depth of completed well 4860 feet Rotary X / Cable Tools

Water strata depth: Fresh 1600 feet; Salt 1500 feet

Coal seam depths: N/A Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Coffee Shale Pay zone depth 2939 feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow 85 635 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 09/29/2023

(If applicable due to multiple completion--)

Second producing formation Devonian Shale Pay zone depth 3021 feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow 550 Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 600 psig (surface measurement) after 24 hours shut in

KAN 4124

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

Perforate 2478 - 3294 W/40 Holes
3378 - 4863 W/50 Holes

Frac with 1500gal 15% HCl, 60,000# 20/40 Sd and 1,100 MMscfN₂

Frac with 1500 gal 15% HCl 60,000# 20/40SD 1,000 MMscfn₂

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 | | |
| SLATE & SHALE | | | 1128 | 1528 | |
| SHALE | | | 1528 | 2119 | |
| SANDSTONE | | | 2119 | 2149 | |
| SHALE | | | 2149 | 2164 | |
| LITTLE LIME | | | 2164 | 2359 | |
| SHALE | | | 2359 | 2427 | |
| BIG LIME | | | 2427 | 2535 | |
| SHALE | | | 2535 | 2539 | |
| BIG INJUN | | | 2539 | 2589 | |
| SHALE | | | 2586 | 2589 | |
| UPPER WEIR | | | 2589 | 2939 | |
| COFFEE SHALE | | | 2939 | 2951 | |
| BEREA | | | 2951 | 3021 | |
| DEVONIAN SHALE | | | 3021 | 4860 | TD |

(Attach separate sheets as necessary)

ALLEGHENY & WESTERN ENERGY CORPORATION

Well Operator

09/29/2023

By:

P. J. Hess

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

RECEIVED
MAR 5 - 1985

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 039-4124

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 | | | Size of _____ |
| Well No. <u>Imperial #29</u> | 13 | | | Depth set _____ |
| District <u>Cabin Creek County 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 | | | 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 #13

Remarks: Moved Rig on location on 2-23-85. Today drilling at 810' deep & soaping hole.

2-25-85
DATE

Charles W. Hoyle
09/29/2023
DISTRICT WELL INSPECTOR

2/16/82

RECEIVED
MAR 13 - 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 |
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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

RECEIVED
MAR 5 - 1985

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

INSPECTOR'S WELL REPORT

Permit No. 039-4124

| 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 # 29</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 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 | | | |
| | _____ FEET _____ INCHES FEET _____ INCHES | | | |

Drillers' Names F.W.A. Drilling Co. Rig #13

Remarks: set 1050' of 9 5/8" casing & cemented with 3005K5. Class A. 3% C.C. plug down at 2:00 a.m. on 2-26-85. Today drilling at 1950' & soaping hole.

2-27-85
DATE

Carlos W. [Signature]
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

RECEIVED
MAR 2 - 1982
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 | | | | | | | CASING AND TUBING | | |
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LOCATION | | RECOVERED | SIZE | LOST | | |
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Drillers' Names _____

Remarks:

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

_____ **09/29/2023**
DISTRICT WELL INSPECTOR

RECEIVED

MAR 5 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

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

INSPECTOR'S WELL REPORT

Permit No. 039-4124

Oil or Gas Well _____
(KIND)

| | | | | |
|---|-------------------|------------------|--------------|----------------------|
| Company <u>Allegheny & Western</u> Address _____ Farm <u>Imperial Coal Co.</u> Well No. <u>Imperial # 99</u> District <u>Cabin Creek County 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 | | | Size of _____ |
| | 13 | | | Depth set _____ |
| | 10 | | | Perf. top _____ |
| | 8 1/4 | | | Perf. bottom _____ |
| | 6 3/8 | | | Perf. top _____ |
| | 5 3/16 | | | Perf. bottom _____ |
| | 3 | | | |
| | 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 F.W.A. Drilling Co. Rig # 13

Remarks:

Set 2324' of 7" casing & cemented with 1755K5.
Class A. 3% C.C. Plug down at 7:00 a.m. on 2-28-85.
Today Drilling at 3149' & Dusting hole.

3-1-85

DATE

Carlos W. Hoyle
09/20/2023
DISTRICT WELL INSPECTOR

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

RECEIVED
MAR 13 1985

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 039-4124

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 # 29</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 _____

Remarks:

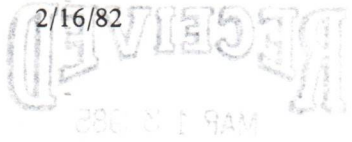
T. D. well at 4916' on 3-3-85 + moved Rig off location, Today nothing being done

3-4-85

DATE

Carlson Hines
09/29/2023
DISTRICT WELL INSPECTOR

2/16/82



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 | | | | | | |
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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 13 1985

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 039-4124

Oil or Gas Well _____
(KIND)

| Company <u>Allegheny & West</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 # 29</u> | 13 | | | |
| District <u>Cabin Creek County 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:

Doing well Frac & Dowell doing Frac.

3-6-85

DATE

Charles W. King

09/20/2023
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

RECEIVED
MAR 2 9 AM
OIL & GAS DIVISION
DEPT OF MINES

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

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

RECEIVED
MAR 20 1985

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

INSPECTOR'S WELL REPORT

Permit No. 039-4134

| Company | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|---|---|------------------|--------------|----------------------|
| <u>Allegheny & western</u> | Size | | | |
| Address _____ | 16 | | | Kind of Packer _____ |
| Farm <u>Imperial Coal Co.</u> | 13 | | | |
| Well No. <u>Imperial # 39</u> | 10 | | | Size of _____ |
| District <u>Cabin Creek</u> County <u>Kanawha</u> | 8 1/4 | | | |
| Drilling commenced _____ | 6 3/4 | | | Depth set _____ |
| Drilling completed _____ Total depth _____ | 5 3/16 | | | |
| Date shot _____ Depth of shot _____ | 3 | | | Perf. top _____ |
| Initial open flow _____ /10ths Water in _____ Inch | 2 | | | Perf. bottom _____ |
| Open flow after tubing _____ /10ths Merc. in _____ Inch | Liners Used | | | Perf. top _____ |
| Volume _____ Cu. Ft. | | | | 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 | | | |
| | _____ FEET _____ INCHES _____ FEET _____ INCHES | | | |

Drillers' Names Petro well Services INC.

Remarks: Rig on location doing well swab.

3-17-85
DATE

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

2/16/82

RECEIVED
MAR 20 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 | |
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Drillers' Names _____

Remarks: _____

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

DATE

_____ 09/29/2023
DISTRICT WELL INSPECTOR

RECEIVED
DEPARTMENT OF ENERGY
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 039-4124 (2-14-85)

P. O. Box 2587

FARM & WELL NO Imperial Coal Co. #29

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 12/23/85

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 17, 1986

DATE

TAX 8 1985

Division of Oil and Gas
Department of Energy
1111 North Capitol Street
Nashville, Tennessee 37203

Attention: Mr. [Name]
Phone: [Number]

Enclosed for Mr. [Name] is a copy of [Document Name]

Very truly yours,
[Signature]

[Name]
[Title]

[Address Line 1]

[Address Line 2]

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[Address Line 7]

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[Address Line 15]

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[Address Line 17]

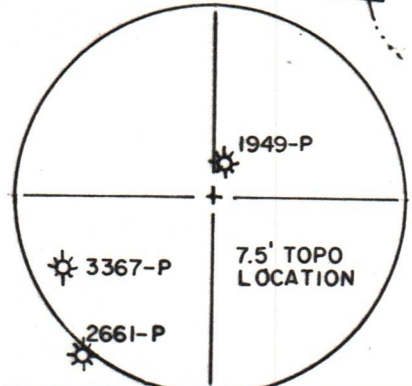
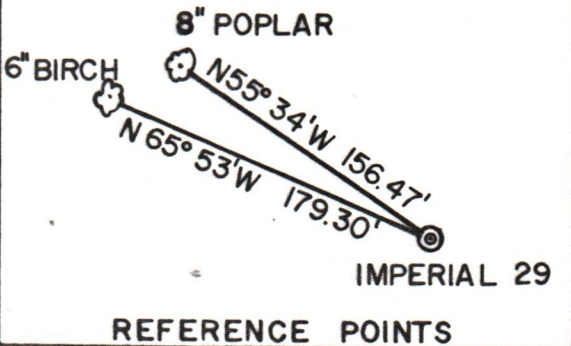
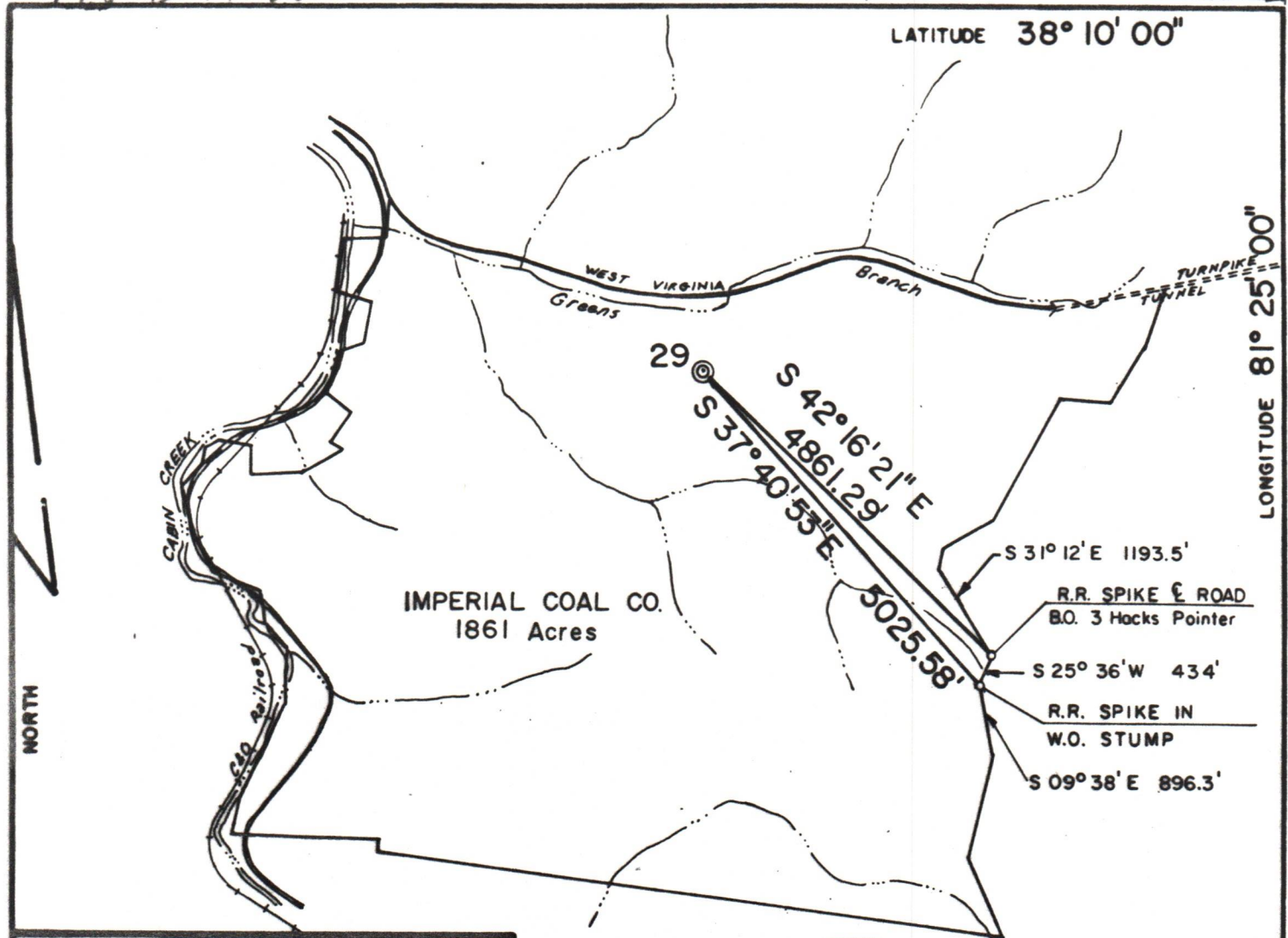
[Address Line 18]

ML 2-14-85

5000'

LATITUDE 38° 10' 00"

LONGITUDE 81° 25' 00"



FILE NO. 10-0002

DRAWING NO. _____

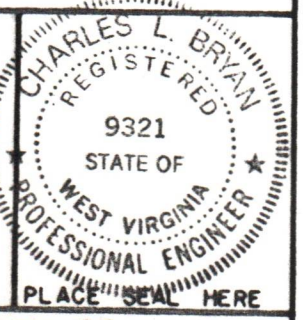
SCALE 1" = 2000'

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)



Department of Mines
Oil & Gas Division

DATE JANUARY 23 19 85

OPERATOR'S WELL NO. 29

API WELL NO. 47-039-4124

STATE WEST VIRGINIA COUNTY KANAWHA PERMIT 4124

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

LOCATION: ELEVATION 1156 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. _____

09/29/2023

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