



1) Date: July 30, 19 84
 2) Operator's Well No. Ohley Trust # 46
 3) API Well No. 47 - 039 - 4054
 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: 1760' Watershed: Kanawha River CANE FORK K61J
 District: Cabin Creek 2 County: Kanawha Quadrangle: Eskdale 340
 6) WELL OPERATOR Allegheny & western Energy Corp. DESIGNATED AGENT Roland C. Baer, Jr.
 Address P.O. Box 2587 1150 Address P.O. Box 2587
Charleston, WV 25329 Charleston, WV 25329
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Rodney G. Dillon Name _____
 Address P.O. Box 30 Address _____
Scarbro, WV 25917
 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, 4795' feet
 13) Approximate trata depths: Fresh, 515 feet; salt, 1495 feet.
 14) Approximate coal seam depths: 1115 Is coal being mined in the area? Yes No

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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									
Fresh water	95/8	SMLS	32	X		1145'	X	300 cts	Kinds By rule 15.05
Coal	7	SMLS	23	X		3035'	X	200 cts	Sizes
Intermediate									
Production	4 1/2"	SMLS	10.5	X		4795'	X	300 sx	Depths set or as required by rule 15.05
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47 - 039 - 4054 Date August 8 19 84

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 August 8, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>5</u> BLANKET	Agent: <u>LS</u>	Plat: <u>MU</u>	Casing: <u>MU</u>	Fee: <u>003-364</u>
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Margaret J. Hesse
 Administrator, Office of Oil and Gas

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

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

File
 02/09/2024



OFFICE USE ONLY

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

1) LOCATION: B (If "Gas", Production) _____
 Elevation: _____
 District: _____
 County: _____
 Designated Agent: _____
 Address: _____

2) OIL & GAS INSPECTOR TO BE NOTIFIED: _____
 Name: _____
 Address: _____

3) PROPOSED WELL WORK: _____
 Other physical change in well (specify): _____
 Perform new formation: _____
 Stimulate: _____

4) GEOLOGICAL TARGET FORMATION: _____
 Estimated depth of completed well: _____ feet
 Approximate true depth: _____ feet
 Approximate coal seam depths: _____ feet

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)
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Application received _____ Follow-up inspection(s) _____

Well work started _____

Completion of the drilling process _____

Well Record received _____

Reclamation completed _____

OTHER INSPECTIONS

Reason: _____

Reason: _____

Bond	Actual	Plan	Casing	Per
_____	_____	_____	_____	_____

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

02/09/2024

IV-9 (Rev 8-81)



State of West Virginia
Department of Mines
Oil and Gas Section

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME: Allegheny & Western Energy

Address: P O Box 2587, Chas., WV

Telephone: 343-4327

LANDOWNER: J.F. Watson III

Revegetation to be carried out by: Roland C. Baer

This plan has been reviewed by: CAPITOL

and additions become a part of this plan: AUG. 1 1984

(Date) J.C. [Signature]

(SCD Agent)

SCD. All corrections (Agent)

SOIL CON. DISTRICT: Capitol

Telephone: 343-4327

Address: Box 2587, Charleston, WV 2532

DESIGNATED AGENT: Roland C. Baer

DATE: 30 JULY, 1984

WELL NO. 46

API NO. 47 - 039 - 4054

JUL 31 1984

ACCESS ROAD

Structure: Drain Ditch

Specing: Ditch Line

Page Ref. Manual 2:12

Structure: Cross Ditch

Specing: every 45'

Page Ref. Manual 2:12

OIL & GAS DIVISION
DEPT. OF MINES

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Structure: Siltation Barrier

Material: Straw

Page Ref. Manual 2:18

Structure: Pit

Material: dug out/Plastic lined

Page Ref. Manual N/A

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 or correct to pH 6.5 Tons/acre 3

Fertilizer (10-20-20 or equivalent) lbs/acre 1000

Mulch Straw 3 Tons/acre

Seed: KY 31 Fescue 50 lbs/acre

Annual Rye 30 lbs/acre

Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium.

NOTE: Please report any...
operation to protect...
seedling for one growing season.
Attach separate sheets as
necessary for comments.

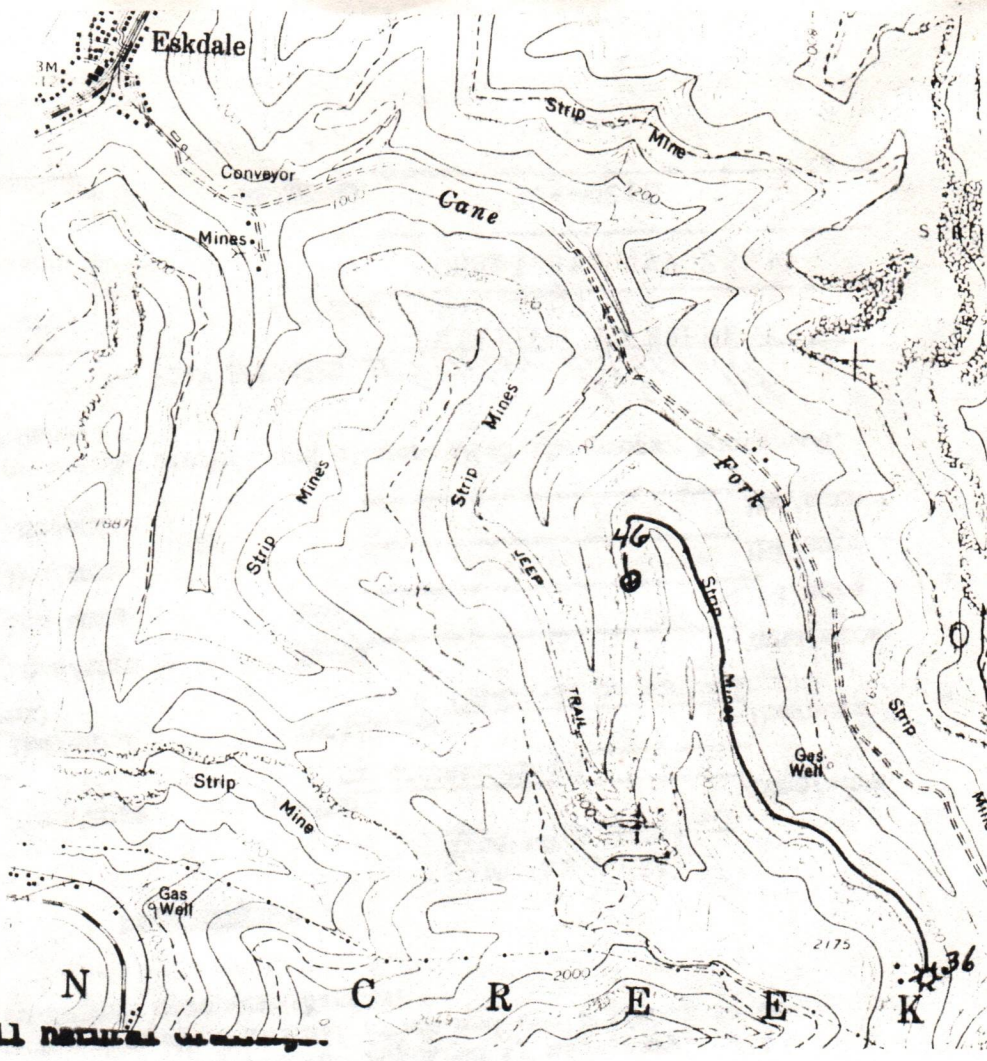
PLAN PREPARED BY [Signature]

ADDRESS: William E. Bennett
Box 2683
Charleston, WV 25330

345-0216

PHONE NO.

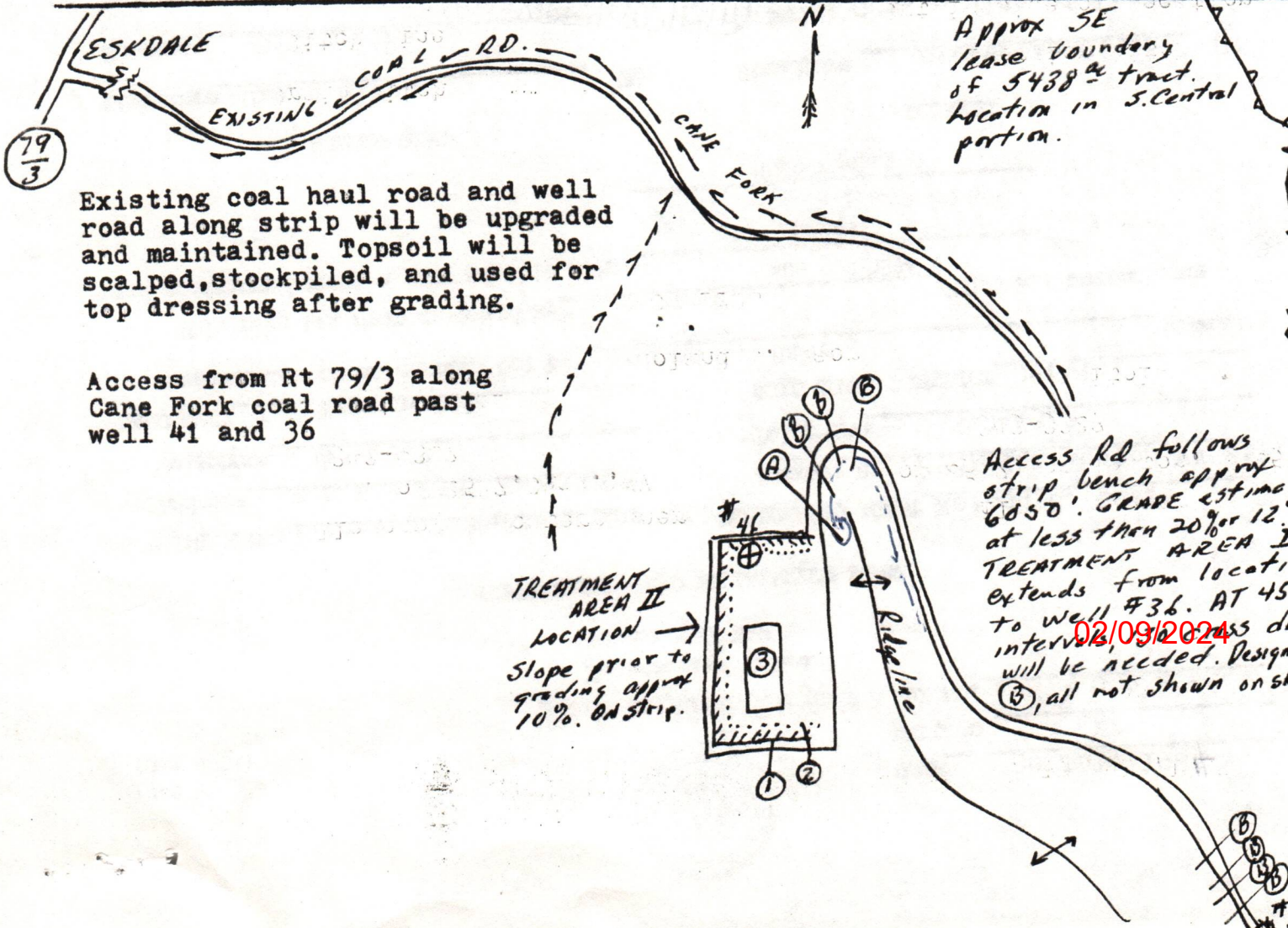
ATTACH OR PHOTOCOPY SECTION INVOLVED TOPOGRAPHIC MAP. QUADRANGLE ESKDALE 7 1/2



Sketch to include well locations, drilling pits and necessary part of this plan. Include all natural drainage.

LEGEND

- Property boundary
- Road
- Existing fence
- Planned fence
- Stream
- Open ditch
- Diversion
- Spring
- Wet spot
- Building
- Drain pipe
- Waterway



1) Date: July 30, 19 84
2) Operator's Well No. Ohley Trust # 46
3) API Well No. 47-039-4054
State County Permit

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

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

- (i) Name Ohley Trust, James E. Watson, III
Address Agent for Trustee
First National Bank
- (ii) Name Fairmont, WV 26554
Address _____
- (iii) Name _____
Address _____

5(i) COAL OPERATOR Imperial Colliery Co.
Address Burnwell, WV

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name Ohley Trust, James E. Watson, III
Address Agent for Trustees
First National Bank
Name Fairmont, WV 26554
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name Same as Coal Operator
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.

RECEIVED
AUG - 3 1984

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.

OIL & GAS DIVISION
DEPT. OF MINES

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

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

Robert H. Hess
this 30 day of July, 1984.
My Commission expires 5-29, 1990.

Sharon J. Hill
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

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>
Farm-out from: Columbia Gas Trans. Corp.		1/8	not recorded	
United Fuel Gas Company	Ohley Coal Co.	1/8	100	106-114



1) Date: July 30, 19 84
 2) Operator's Well No. Ohley Trust # 46
 3) API Well No. 47 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: 1760' Watershed: Kanawha River
 District: Cabin Creek County: Kanawha Quadrangle: Eskdale
- 6) WELL OPERATOR Allegheny & western Energy Corp. 7) DESIGNATED AGENT Roland C. Baer, Jr.
 Address P.O. Box 2587 Address P.O. Box 2587
Charleston, WV 25329 Charleston, WV 25329
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Rodney G. Dillon Name _____
 Address P.O. Box 30 Address _____
Scarbro, WV 25917
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate _____
 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, 4895' feet
 13) Approximate strata depths: Fresh, 515 feet; salt, 1495 feet.
 14) Approximate coal seam depths: 1115 Is coal being mined in the area? Yes X

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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						<u>1145'</u>			Kinds
Fresh water	<u>95/8</u>	<u>SMLS</u>	<u>32</u>	<u>X</u>		<u>655'</u>	<u>X</u>	<u>300 cts</u>	<u>By rule 15.05</u>
Coal	<u>7</u>	<u>SMLS</u>	<u>23</u>	<u>X</u>		<u>3035'</u>	<u>X</u>	<u>200 cts</u>	Sizes
Intermediate									
Production	<u>4 1/2"</u>	<u>SMLS</u>	<u>10.5</u>	<u>X</u>		<u>4895'</u>	<u>X</u>	<u>300 sk 1/2</u>	Depths set <u>or as required</u>
Tubing									<u>by rule 15.05</u>
Liners									Perforations:
									Top Bottom

OIL & GAS DIVISION
 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 X / 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: August 1, 19 84

By Jell Watson
 Its Trustee - Agent

02/09/2024
 Coal Owner



1) Date: July 30, 1984
 2) Operator's Well No. Ohley Trust # 46
 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: 1760' Watershed: Kanawha
 District: Cabin Creek County: Kanawha Quadrangle: Eskdale
- 6) WELL OPERATOR Allegheny & Western Energy Corp 7) DESIGNATED AGENT Roland C. Baer Jr.
 Address P.O. Box 2587 Address P.O. Box 2587
Charleston, WV 25329 Charleston, WV 25329
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Rodney G. Dillon
 Address P.O. Box 30
Scarbro, WV 25917
- 9) DRILLING CONTRACTOR: Name _____ Address _____
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Injun, Weir, Devonian Shale
 12) Estimated depth of completed well, 4795' feet
 13) Approximate strata depths: Fresh, 515 feet; salt, 1495 feet.
 14) Approximate coal seam depths: 1115 Is coal being mined in the area? Yes No

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 OIL & GAS DIVISION
 DEPT. OF MINES

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									
Fresh water	9 5/8	SMLS	32	X		635	635	300cf	Kinds By rule 15.05
Coal	7	SMLS	23	X		3035	3035	200cf	Sizes
Intermediate									
Production	4 1/2	SMLS	10.5	X		4795	4795	300 sx	Depths set as required by Rule 15.05
Tubing									
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: 8/3, 1984

By R. J. Borham
 Its Chief Engineer

02/09/2024
 Coal Owner



1) Date: July 30, 19 84
 2) Operator's Well No. Ohley Trust # 46
 3) API Well No. 47
 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: 1760' Watershed: Kanawha River
 District: Cabin Creek County: Kanawha Quadrangle: Eskdale
- 6) WELL OPERATOR Allegheny & western Energy 7) DESIGNATED AGENT Roland C. Baer, Jr.
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- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate _____
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 OIL & GAS DIVISION
 DEPT. OF MINES

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>95/8</u>	<u>SMLS</u>	<u>32</u>	<input checked="" type="checkbox"/>		<u>655</u>	<input checked="" type="checkbox"/>	<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>3035</u>	<input checked="" type="checkbox"/>	<u>200 cts</u>	Sizes
Intermediate									
Production	<u>4 1/2"</u>	<u>SMLS</u>	<u>10.3</u>	<input checked="" type="checkbox"/>		<u>4875</u>	<input checked="" type="checkbox"/>	<u>300 sq ft</u>	<u>Depths set or as required</u>
Tubing									<u>by rule 15.05</u>
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: J. Ellwanger
 By: Trustee - Agent
 Date: 8-1-84

 (Signature) Date: _____

 (Signature) Date: _____
J. Ellwanger
Trustee - Agent

02/09/2024
 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.

V-35
ev 8-81)

RECEIVED
JAN 29 1984

OIL & GAS DIVISION
DEPT. OF MINES



State of West Virginia

Department of Mines
Oil and Gas Division

Date January
Operator's
Well No. 46
Farm Ohley Trust
API No. 47-039-4054

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: 1760 Watershed Cane Fork
District: Cabin Creek County Kanawha Quadrangle Eskdale

COMPANY Allegheny & Western Energy Corp.

ADDRESS P.O. Box 2587, Charleston, WV 25329

SIGNATURED AGENT Roland C. Baer, Jr.

ADDRESS P.O. Box 2587, Charleston, WV 25329

SURFACE OWNER J.E. Watson, III, Trustee

ADDRESS 1st Nat'l Bank Bldg., Fairmont, WV

GENERAL RIGHTS OWNER Ohley Coal Company

ADDRESS 1st Nat'l Bank Bldg., Fairmont, WV

LAND AND GAS INSPECTOR FOR THIS WORK

Dillon ADDRESS Scarbro, WV

PERMIT ISSUED 8/8/84

DRILLING COMMENCED 8/24/84

DRILLING COMPLETED 8/31/84

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-1/8"	48	48	To Surf
9 5/8	1103	1103	290 cf
8 5/8	2588	2588	
7	2694	2694	70 cf
5 1/2			
4 1/2	4359	4359	200 sx
3			
2			
Liners used			

LOGICAL TARGET FORMATION Devonian Shale Depth 3410 feet

Depth of completed well 4572 feet Rotary X / Cable Tools

Water strata depth: Fresh 515 feet; Salt 1495 feet

Coal seam depths: 1320 El. Is coal being mined in the area? yes

PRODUCTION FLOW DATA

Producing formation Big Lime, Weir Pay zone depth 2830-2878 ²⁶⁰⁰ 3078-3100 feet

Gas: Initial open flow --- Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 230 Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests 02/09/2024 hours

Static rock pressure 290 psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

Second producing formation Devonian Shale Pay zone depth 3410-4346 ³²⁵⁰ feet

Gas: Initial open flow --- Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 380 Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests --- hours

Static rock pressure 700 psig (surface measurement) after 24 hours shut in

KAN. 4054

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

Perforate 2800-2860 w/10 holes
 Perforate 3610-4346 w/20 holes
 Perforate 2800-3600 w/45 holes
 Frac w/60,000# 20/40 sand 1000 gal 28% HCl, 180,000 scf N₂
 Frac 2/60,000# 20/40 sand 1500 gal 15% HCl, 80,000 scf N₂
 90 quality foam frac 2880-3600
 Acidize w/8,000 gal 15% HCl 180 M scf N₂ from

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sandstone			0	30	
Shale			30	515	
Coal			515	550	
Shale			550	1300	
Sand and Shale			1300	2504	
Pencil Cave			2504	2548	
Shale			2548	2600	
Big Lime			2600	2760	
Injun			2760	2830	
Weir			2830	2896	
Coffee Shale			2896	3250	
Devonian Shale			3250	4572	TD

(Attach separate sheets as necessary)

02/09/2024

Allegheny & Western Energy Corp
 Well Operator

By: RTJ Hess

Date: 1-28-85

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean..."

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. 039-4054

Oil or Gas Well _____
(KIND)

Company <u>Allegheny + Western</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Charleston</u>	Size			
Farm <u>Obley Trust</u>	16			Kind of Packer _____
Well No. <u>#46</u>	13			
District <u>CABIN CR.</u> County <u>KAN</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names E.W.A. Rig #25

Remarks: Drilling Surface Hole

8/28/84
DATE

Rod Diller
DISTRICT WELL INSPECTOR

02/09/2024

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DEPT. OF MINES
INSPECTOR'S WELL REPORT

Permit No. 039-4054

Oil or Gas Well _____
(KIND)

Company <u>Allegheny & Western</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>Charleston</u>	Size		
Farm <u>Ohley Trust</u>	16			
Well No. <u>#46</u>	13			Size of _____
District <u>Cabin Creek</u> County <u>KAN</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			
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			
Rock pressure _____ lbs. _____ hrs.				Perf. top _____
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet _____ feet				Perf. bottom _____
Salt water _____ feet _____ feet				

Drillers' Names F.W.A. Rig #55

Remarks: Run 7" casing
Waiting on cement

8/28/84
DATE

Loel Diller
DISTRICT WELL INSPECTOR
02/09/2024

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OIL AND GAS WELLS DIVISION

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DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4054

Oil or Gas Well GAS
(KIND)

Company <u>Allegheny & Western</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Charleston</u>	Size			
Farm <u>Obley Trust</u>	16			Kind of Packer
Well No. <u>#46</u>	13			
District <u>CABIN CR.</u> County <u>KAN.</u>	10			Size of
Drilling commenced	8 1/4			
Drilling completed	6 3/8			Depth set
Date shot	5 3/16			
Depth of shot	3			Perf. top
Initial open flow	2			Perf. bottom
/10ths Water in	Liners Used			Perf. top
Inch				Perf. bottom
Open flow after tubing				
/10ths Merc. in				
Inch				
Volume				
Cu. Ft.	CASING CEMENTED	SIZE	No. FT.	Date
Rock pressure				
lbs.				
hrs.				
Oil				
bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY			
Fresh water				
feet	COAL WAS ENCOUNTERED AT	FEEET	INCHES	
feet		FEEET	INCHES	
Salt water		FEEET	INCHES	
feet		FEEET	INCHES	

Drillers' Names Petro Service Rig

Remarks: SWAB WELL AFTER FRAC

9/7/84
DATE

Paul Dillon 02/09/2024

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

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OIL & GAS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4084

Oil or Gas Well GAS
(KIND)

Company Address Farm Well No. District County Drilling commenced Drilling completed Date shot Initial open flow Open flow after tubing Volume Rock pressure Oil Fresh water Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer
<u>Allegheny Western</u>	16			
<u>Charleston</u>	13			
<u>Obley Trust</u>	10			Size of
<u>#46</u>	8 1/4			Depth set
<u>CABWCK</u> County <u>KAN</u>	6 3/8			
	5 3/16			
	3			Perf. top
	2			Perf. bottom
	Liners Used			Perf. top
				Perf. bottom
	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
	NAME OF SERVICE COMPANY _____			
	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Petro Dozee

Remarks: Reclaiming Location and Road

9/9/84
DATE

[Signature]
DISTRICT WELL INSPECTOR
02/09/2024

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DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

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OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4054

Oil or Gas Well GAS
(KIND)

Company	Address	Farm	Well No.	District	County	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
						Size			Kind of Packer
<u>Allegheny Western</u>	<u>Charleston</u>	<u>Ohley Trust</u>	<u>#46</u>	<u>Cabin Creek</u>	<u>Kan.</u>	16			
						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

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 CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks: LOCATION Reclaimed & Seeded I. D. on Well

9/27/84
DATE

Rod Diller
DISTRICT WELL INSPECTOR

02/09/2024

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

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DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 034-4054

Oil or Gas Well GAS
(KIND)

Company	Address	Farm	Well No.	District	County	Drilling commenced	Drilling completed	Date shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
																Size			Kind of Packer
<u>Allegany & Western</u>	<u>Char.</u>	<u>Obley Trust</u>	<u># 47</u>	<u>CABINCK.</u>	<u>KAN</u>											16			
																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

Drillers' Names _____

Remarks: Well Complete & Don Well Location Reclaimed & Seeded

TAKE Russ BEALL To LOOK AT LOCATION

11/7/84
DATE

Rod Weller
DISTRICT WELL INSPECTOR

02/09/2024

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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 02/09/2024



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MAY 8 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
February 5, 1985

COMPANY Allegheny & Western Energy Corp.

PERMIT NO 039-4054

P. O. Box 2587

FARM & WELL NO Ohley Trust #46

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 Strength	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to Prevent Waste	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
23.07	Requirements for Production & Gathering Pipelines	_____	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	_____	_____

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

SIGNED Carlos W. Hinesley

DATE 5-3-85

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. r. B.B.

Administrator-Oil & Gas Division

May 13, 1985

DATE

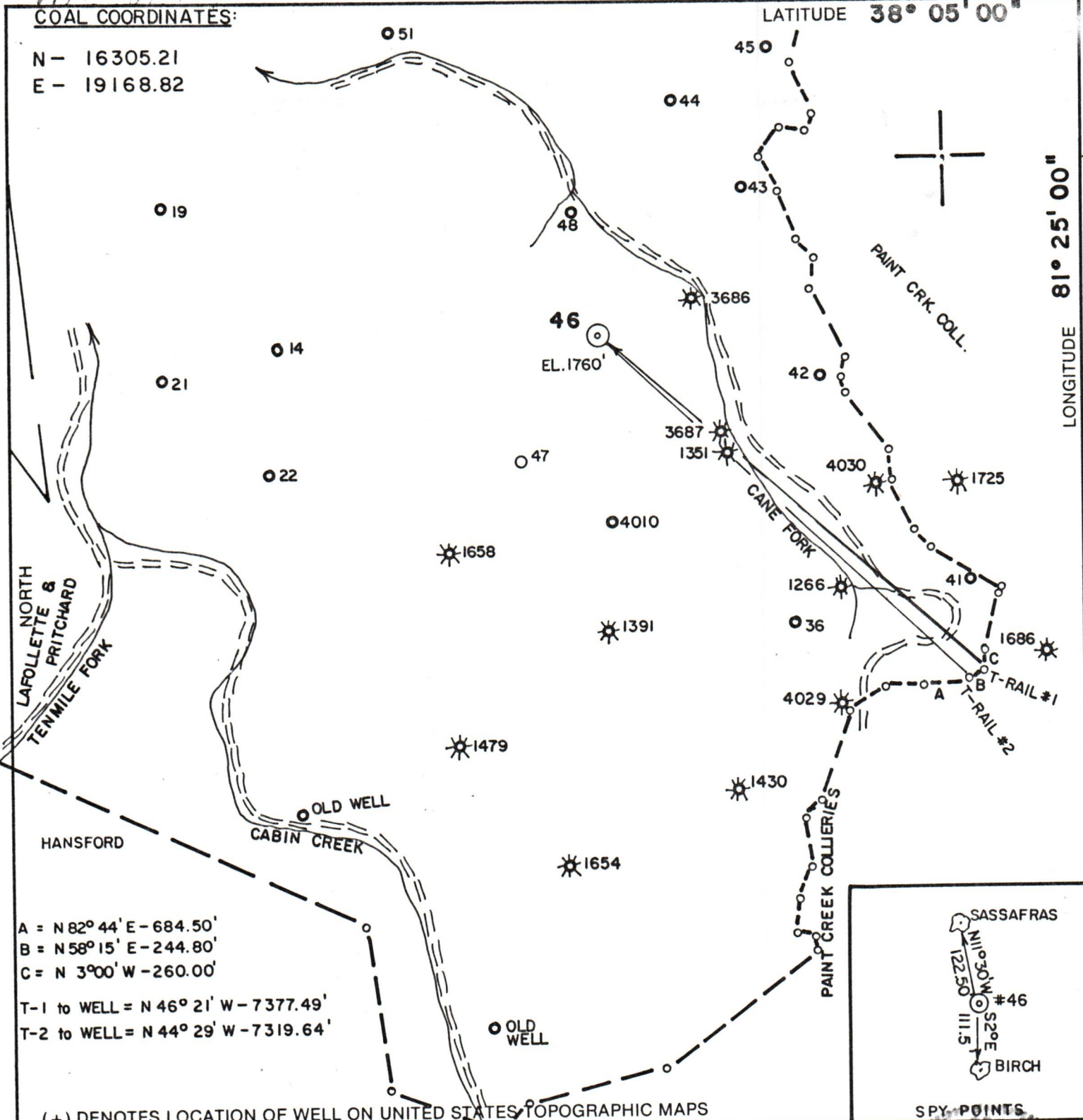
COAL COORDINATES:

N - 16305.21
E - 19168.82

LATITUDE 38° 05' 00"

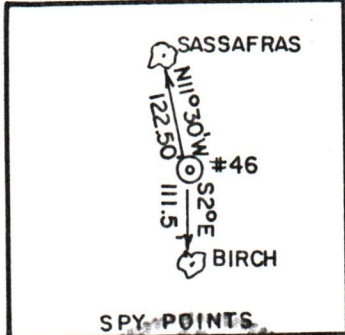
2000' WEST

LONGITUDE 81° 25' 00"



A = N 82° 44' E - 684.50'
 B = N 58° 15' E - 244.80'
 C = N 3° 00' W - 260.00'

T-1 to WELL = N 46° 21' W - 7377.49'
 T-2 to WELL = N 44° 29' W - 7319.64'



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

FILE NO. **84-419**

DRAWING NO. _____

SCALE **1" = 2000'**

MINIMUM DEGREE OF ACCURACY **1/2500'**

PROVEN SOURCE OF ELEVATION **ESKDALE (812')**

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) *Chat Waterman*

R.P.E. **3788** L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE **7/25**, 19 **84**

OPERATOR'S WELL NO. **46**

API WELL NO. **47 039 4054**

STATE COUNTY PERMIT

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

LOCATION: ELEVATION **1760'** WATERSHED **CANE FORK**
 DISTRICT **CABIN CREEK** COUNTY **KANAWHA**
 QUADRANGLE **ESKDALE 7.5'**

SURFACE OWNER **J. E. WATSON III** ACREAGE **54.38**
 OIL & GAS ROYALTY OWNER **OHLEY COAL CO.** LEASE ACREAGE **54.38**

PROPOSED WORK: DRILL **X** 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 **5990'**

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

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

COUNTY NAME PERMIT