

RECEIVED  
JUN 14 1985

FORM IV-2(B)  
(Obverse)  
7-83

FILE COPY



1) Date: June 7, 19 85  
2) Operator's Well No. Eastern #34  
3) API Well No. 47 039 -4188  
State County Permit

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

OIL & GAS DIVISION  
DEPT. OF MINES

- 4) WELL TYPE: A Oil  / Gas  /  
B (If "Gas", Production  / Underground storage  / Deep  / Shallow  )
- 5) LOCATION: Elevation: 793 Watershed: Banner Hollow  
District: Cabin Creek 2 County: Kanawha Quadrangle: Cedar Grove 284
- 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 Name Carlos Hively Address 223 Pinch Ridge Road Elkview, WV 25071
- 9) DRILLING CONTRACTOR: Name Address
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate  /  
Plug off old formation  / Perforate new formation  /  
Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Injun, Weir, Devonian Shale
- 12) Estimated depth of completed well, 5290 feet
- 13) Approximate trata depths: Fresh, 220 feet; salt, 1120 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		400'	400'	300 cts.	By Rule 15.05
Coal	7"	SMLS	23	X		1300'	1300'	200 cts.	Sizes
Intermediate									
Production Tubing	4 1/2"	SMLS	10.5	X		5290'	5290'	200-400 cts.	Depths set Or As Required by Rule 15.01
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-039-4188

Date June 17 19 85

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 June 17, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: 5	Agent: MH	Plat: MH	Casing: MH	Fee: 2064
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Margaret J. Rasse  
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  
12/29/2023

OFFICE USE ONLY

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

1. LOCATION: Cedar Grove, Raleigh County, West Virginia

2. WELL OPERATOR: Alledon Energy Corp., P.O. Box 2587, Charleston, WV 25329

3. DRILLING CONTRACTOR: Carlos Hively, 223 Pinch Ridge Road, Ellerslie, WV 25071

4. PROPOSED WELL WORK: Drill 32' well

5. GEOLOGICAL TARGET FORMATION: Ingran, West, Devonian Shale

6. APPROXIMATE DEPTH OF COMPLETED WELL: 320'

7. APPROXIMATE DEPTH OF PROPOSED WELL: 350'

8. APPROXIMATE DEPTH OF COAL BEING MINED IN THE AREA: 1120'

9. GAS TESTING: No

10. GAS TESTER TO BE NOTIFIED: No

11. PHYSICAL CHANGE IN WELL (Type): No

12. CASING AND TUBING PROGRAM: No

Well No.	Depth	Formation	Gas Test	Drill	Case	Remarks
32	320'	Ingran, West, Devonian Shale	X	X	32'	By Rule 15.05
33	350'	Ingran, West, Devonian Shale	X	X	33'	
10.5	350'	Ingran, West, Devonian Shale	X	X	4 1/2" SMS 10.5	

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: Margaret C. Hively

Reason: Margaret C. Hively

JUN. 7 1985



IV-9  
(Rev 8-81)

RECEIVED  
JUN 14 1985

State of West Virginia  
Department of Mines  
Oil and Gas Division

DATE June 7, 1985  
WELL NO. Eastern #34  
API NO. 047 - 039 - 4188

CONSTRUCTION AND RECLAMATION PLAN

OIL & GAS DIVISION  
DEPT. OF MINES  
COMPANY NAME Allegheny & Western Energy Corp. DESIGNATED AGENT Roland C. Baer  
Address Box 2587, Charleston, WV Address Box 2587, Charleston, WV 25329  
Telephone 343-4327 Telephone 343-4327  
LANDOWNER Eastern Associated Coal Corp. 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:

"FIELD REVIEWED"

JUN. 10 1985  
R. C. Alford  
(Date)

"SEE ATTACHED COMMENTS"

OK ml

ACCESS ROAD		LOCATION	
Structure <u>Drainage Ditch</u>	(A)	Structure <u>Diversion Ditch</u>	(1)
Spacing <u>Along Access Road</u>		Material <u>Earthen</u>	
Page Ref. Manual _____		Page Ref. Manual <u>2:12 to 2:13</u>	
Structure <u>Sediment Barriers</u>	(B)	Structure <u>Sediment Barriers</u>	(2)
Spacing _____		Material <u>Straw Bails</u>	
Page Ref. Manual <u>2-16</u>		Page Ref. Manual <u>2-16</u>	
Structure <u>Cross Drains</u>	(C)	Structure <u>Pit</u>	(3)
Spacing <u>As shown on Sketch</u>		Material <u>Dug, and plastic lined</u>	
Page Ref. Manual <u>2:1 to 2:6</u>		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 <u>3.0</u> Tons/acre		Lime <u>3.0</u> Tons/acre	
or correct to pH <u>6.5</u>		or correct to pH <u>6.5</u>	
Fertilizer <u>600</u> lbs/acre		Fertilizer <u>600</u> lbs/acre	
(10-20-20 or equivalent)		(10-20-20 or equivalent)	
Mulch <u>Hay or Straw</u> 2.0 Tons/acre		Mulch <u>Hay or Straw</u> 2.0 Tons/acre	
Seed* <u>Ky. 31 Tall Fescue</u> 45 lbs/acre		Seed* <u>Ky. 31 Tall Fescue</u> 45 lbs/acre	
<u>Crownvetch</u> 10 lbs/acre		<u>Crownvetch</u> 10 lbs/acre	
<u>Rye Grass</u> 10 lbs/acre		<u>Rye Grass</u> 10 lbs/acre	

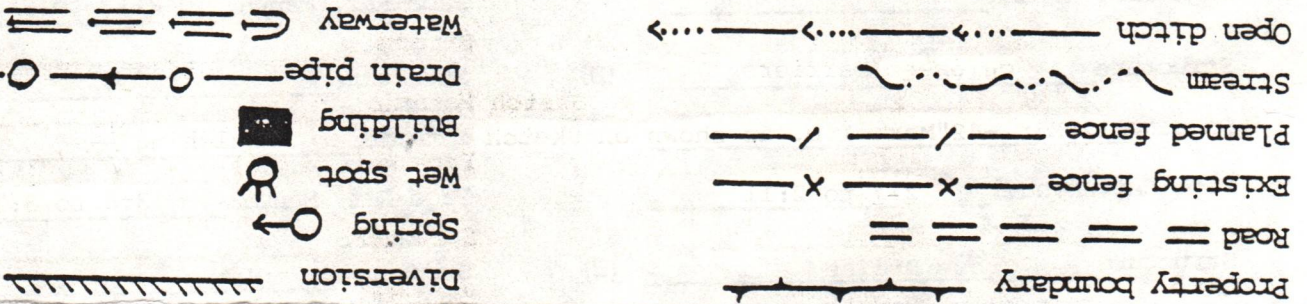
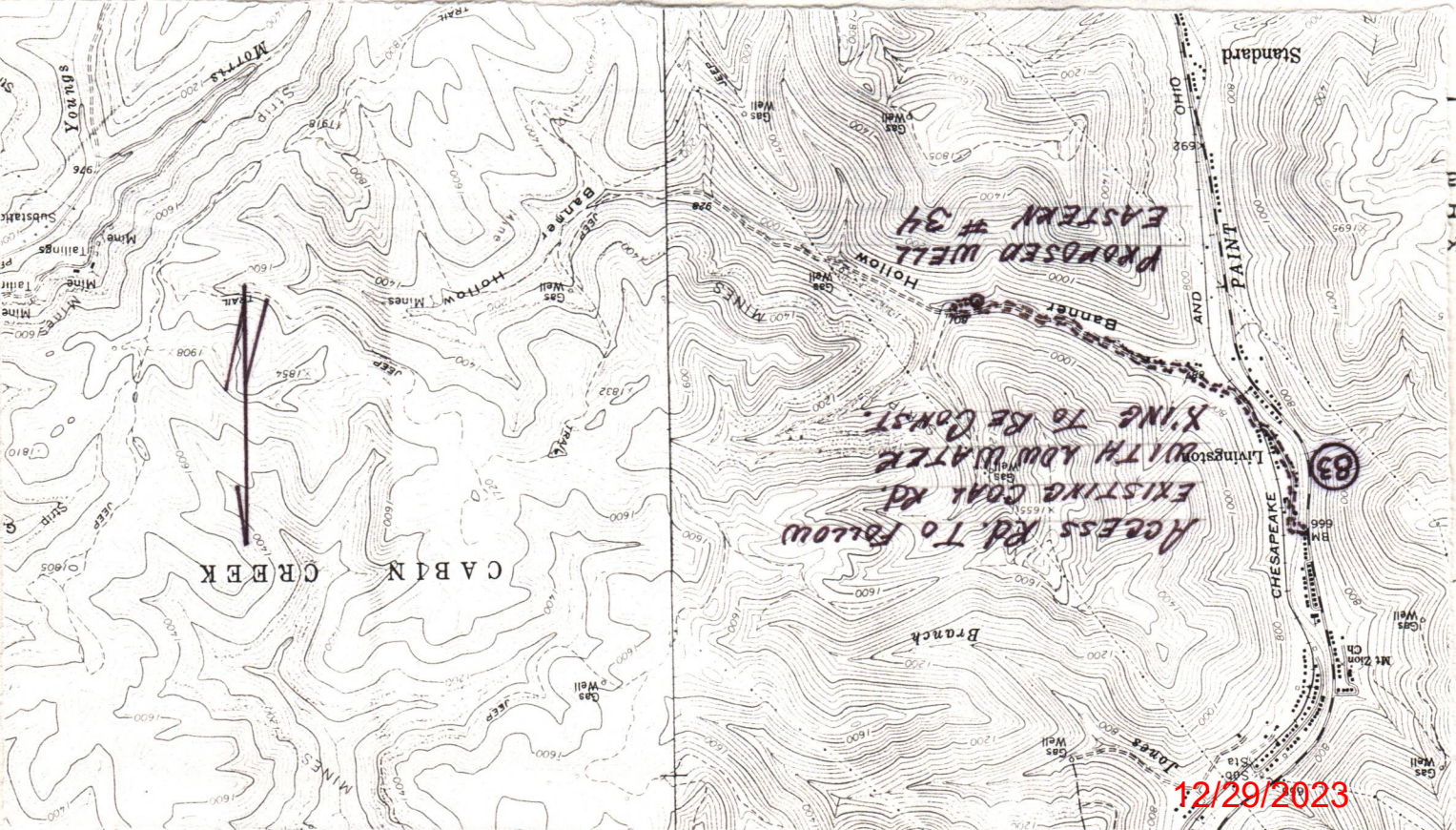
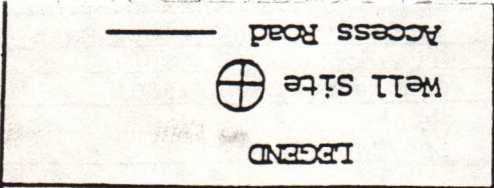
\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

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

PLAN PREPARED BY A E Associates, Ltd. 12/29/2023

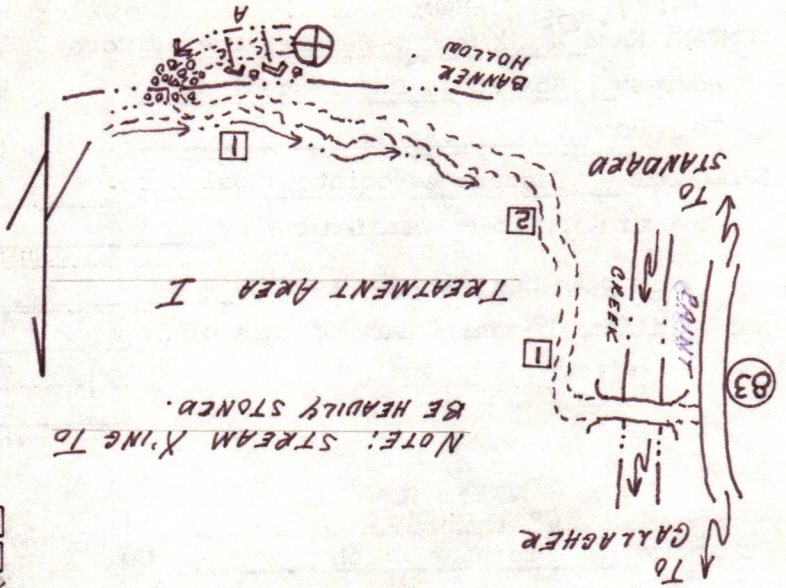
ADDRESS 1206 Virginia Street, East  
Charleston, WV 25301  
PHONE NO. 304/346-0505

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

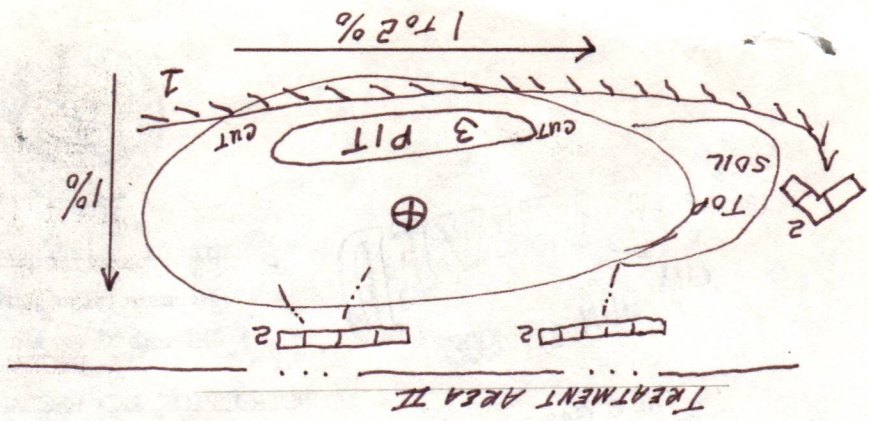


SPACING OF	LENGTH OF	Access Rd.	SPLORE	CROSS DRAINS
1	6300'	3.75%	AS NEEDED	
2	700'	7 TO 10%	AS NEEDED	
7000' TOTAL				

NOTE: STREAM XING TO BE HEAVILY STONED.



NOTE: Access Rd. To Follow Existing Coal Rd WITH STREAM XING. A LAST 300' OF Rd. TO BE CONST. Rd TO BE UPGRADED WITH EROSION CONTROL IN MINE. Rd. TO HAVE A 1 TO 2% SLOPE TOWARD DITCHLINE. 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 CONST. BY STREAM WITH SEDIMENT BARRIERS @ DRAINAGE POINTS. TOP SOIL TO BE STOCK-PILED FOR RECLAMATION.



RECEIVED

JUN 14 1985

1) Date: June 6, 1985
2) Operator's Well No. Eastern #34
3) API Well No. 47 039 4188
State County Permit

STATE OF WEST VIRGINIA
OIL & GAS DIVISION 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
(i) Name Eastern Associated Coal Corp.
Address P. O. Box 70
Beckley, WV 25802-0070
(ii) Name
Address
(iii) Name
Address

5(i) COAL OPERATOR Nu East Mining, Corp.
Address Box 57
Cabin Creek, WV 25035
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name Eastern Assoc. Coal Corp.
Address P. O. Box 70
Beckley, WV 25802-0700
Name
Address
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name Nu East Mining, Corp.
Address Box 57
Cabin Creek, WV 25035

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,
this 6 day of June, 19 85.
My commission expires Nov 19, 1989.

John F. Kropp
Notary Public, Kanawha County,
State of West Virginia

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

12/29/2023

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:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book	Page

Paint Creek Coal &  
Land Company

United Fuel Gas Co.

1/8 L. B. 19 Pg. 172  
Recorded 11-20-11

Columbia Gas  
Transmission Corp.

Allegheny & Western  
Energy Corporation  
by Farmout



1) Date: June 7, 19 85  
 2) Operator's Well No. Eastern #34  
 3) API Well No. 47 State 039 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: 793 Watershed: Banner Hollow  
 District: Cabin Creek County: Kanawha Quadrangle: Cedar Grove
- 6) WELL OPERATOR Allegheny & Western Energy Corp. 7) DESIGNATED AGENT Roland C. Baer, Jr.  
 Address P. O. Box 2587 Address P. O. Box 2587  
Charleston, WV 25329 Charleston, WV 25329
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Carlos Hively  
 Address 223 Pinch Ridge Road  
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 strata depths: Fresh, 220 feet; salt, 1120 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		400'	400'	300 cts.	By Rule 15.05
Coal	7"	SMLS	23	X		1300'	1300'	200 cts.	Sizes
Intermediate									
Production	4 1/2"	SMLS	10.5	X		5290'	5290'	200-400 cts.	Depths set <u>Or As Required by Rule 15.01</u>
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 X / lessee X / 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.

Nu East Mining Corp.  
Eastern Associated Coal Corp.

Date: June 14, 19 85

By W. Richard D. Eddy Jr.  
 Its Manager of Properties

12/29/2023  
 Coal Owner



1) Date: June 7, 19 85  
 2) Operator's Well No. Eastern #34  
 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: 793 Watershed: Banner Hollow  
 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 9) DRILLING CONTRACTOR:  
 Name Carlos Hively Name \_\_\_\_\_  
 Address 223 Pinch Ridge Road Address \_\_\_\_\_  
Elkview, WV 25071
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate X /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation X /  
 Other physical change in well (specify) \_\_\_\_\_
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- 12) Estimated depth of completed well, 5290 feet  
 13) Approximate trata depths: Fresh, 220 feet; salt, 1120 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	<u>9 5/8"</u>	<u>SMLS</u>	<u>32</u>	<u>X</u>		<u>400'</u>	<u>400'</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>1300'</u>	<u>1300'</u>	<u>200 cts.</u>	Sizes
Intermediate									
Production Tubing	<u>4 1/2"</u>	<u>SMLS</u>	<u>10.5</u>	<u>X</u>		<u>5290'</u>	<u>5290'</u>	<u>200-400 cts.</u>	Depths set <u>Or As Required by Rule 15.01</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: Eastern Associated Coal Corp

By Marshall W. Eddy Jr

Its Manager of Properties Date June 14 1985

\_\_\_\_\_  
(Signature) Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature) Date: \_\_\_\_\_

**12/29/2023**

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.

CAPITOL SOIL CONSERVATION DISTRICT  
WESTMORELAND PLACE  
400 ALLEN DRIVE  
CHARLESTON, WEST VIRGINIA 25302

DATE: JUNE 10, 1985

WELL SITE: EASTERN #34  
Allegheny & Western Energy Corp.

QUADRANGLE: CEDAR GROVE

LANDOWNER: EASTERN ASSOCIATED COAL CORP.

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

PLAN RECEIVED BY CAPITOL SCD ON: JUNE 7, 1985, delivered by George F. Rollins, Jr.

PLAN REVIEWED BY: Linda M. Cable, District Manager, Capitol SCD, on  
JUNE 8, 1985.

SITE FIELD REVIEWED  X  YES DATE  6-7-85  NO

RECLAMATION PLAN COMMENTS:

- (1) Good Plan!
- (2) The Public Lands Corporation must be contacted regarding the crossing of Banner Hollow Creek.

*R. C. Alford*

R. C. ALFORD, CHAIRMAN  
BOARD OF SUPERVISORS

NOTE: ALL COMMENTS SHOULD BE STUDIED  
SO THEY WILL NOT BE REPEATED  
ON FUTURE PLANS!

cc: Office of Oil & Gas, WV Dept. of Mines

12/29/2023



IV-35  
(Rev 8-81)

**RECEIVED**  
OCT 30 1985  
DIVISION OF OIL & GAS  
**DEPT. OF ENERGY**

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date July 1985  
Operator's # 34  
Well No. Eastern Assoc. Coal  
Farm Eastern Assoc. Coal  
API No. 47 - 039 - 4188

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: 793 Watershed Banner Hollow  
District: Cabin Creek County Kanawha Quadrangle Cedar Grove

COMPANY Allegheny & Western Energy Corporation  
ADDRESS P. O. Box 2587, Chas., WV 25329  
DESIGNATED AGENT Roland C. Baer, Jr.  
ADDRESS P. O. Box 2587, Chas., WV 25329  
SURFACE OWNER Eastern Associated Coal  
ADDRESS P. O. Box 70, Beckley, WV  
MINERAL RIGHTS OWNER Eastern Assoc. Coal  
ADDRESS P. O. Box 70, Beckley, WV  
OIL AND GAS INSPECTOR FOR THIS WORK Carlos Hively ADDRESS Elkview, WV  
PERMIT ISSUED 6-17-85  
DRILLING COMMENCED 6-18-85  
DRILLING COMPLETED 6-24-85

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13- <del>11</del>	40	40	To Surf
9 5/8	796	796	200 SX
8 5/8			
7	1771	1771	150 SX
5 1/2			
4 1/2	4915	4915	200 SX
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2466 feet  
Depth of completed well 4000 feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 220 feet; Salt 1120 feet  
Coal seam depths: \_\_\_\_\_ Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Weir Pay zone depth 2028 feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 205 Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure 490 psig (surface measurement) after 24 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation Devonian Shale Pay zone depth 2466 feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 280 Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure 620 psig (surface measurement) after 24 hours shut in

(Continue on reverse side)

KAN 4188

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

Perforate 2026 - 2725 with 37 holes  
Perforate 2814 - 3901 with 40 holes

Frac with 120,000# 20/40 sand, 2,000 gallons 15% HCl

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 & Shale			0	789	
Sand & Shale			789	1600	
Shale			1600	1640	
Little Lime			1640	1690	
Slate & Lime			1690	1710	
Big Lime			1710	1936	
Big Injun			1936	1978	
Shale			1978	2028	
Weir			2028	2142	
Shale			2142	2390	
Coffee Shale			2390	2403	
Berea Shale			2403	2466	
Devonian Shale			2466	4000	TD

(Attach separate sheets as necessary)

Allegheny & Western Energy Corporation  
Well Operator

By: Demetrius G. Mann 12/29/2023  
Date: October 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 minerals, encountered in the drilling of a well."

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

RECEIVED  
JUN 26 1985

INSPECTOR'S WELL REPORT OIL & GAS DIVISION

DEPT. OF MINES

Permit No. 039-4188

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

Company <u>Allegheny &amp; Western</u> Address _____ Farm <u>Eastern Assoc. Coal Corp.</u> Well No. <u>Eastern #34</u> District <u>Cabin Creek</u> County <u>Kanawha</u> Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer _____
	16			
	13			Size of _____
	10			
	8 1/4			Depth set _____
	6 1/4			
	5 3/16			Perf. top _____
	3			
	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 #23

Remarks: Moved rig on location 6-18-85. Today, drilling at 123' & soaping hole.

6-19-85

DATE

Carlos W. Hines  
DISTRICT WELL INSPECTOR

12/29/2023

RECEIVED  
JUN 5 1982

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

INSPECTOR'S PLUGGING REPORT

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

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

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

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

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

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

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

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

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

DATE

\_\_\_\_\_  
DISTRICT WELL INSPECTOR

12/29/2023

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

RECEIVED  
JUN 26 1985

INSPECTOR'S WELL REPORT OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 039-4188

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

Company Allegheny + Western  
 Address \_\_\_\_\_  
 Farm Eastern Assoc. Coal Corp  
 Well No. Eastern #34  
 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 _____

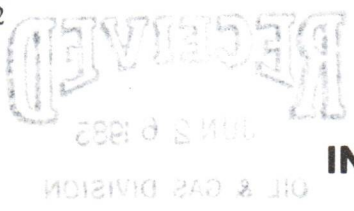
CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
 NAME OF SERVICE COMPANY \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names F.W.A Drilling Co. Rig # 23

Remarks: Set 788' of 9 5/8" casing + cemented with 300 SKs. Class A 3% c.c. Plug down at 6:00 p.m. 6-20-85. Today, drilling at 916' + soaping hole.

6-21-85  
DATE

Carlos W. Hinkle  
DISTRICT OIL 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 \_\_\_\_\_

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

\_\_\_\_\_ 12/29/2023  
DISTRICT WELL INSPECTOR



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

INSPECTOR'S WELL REPORT

Permit No. 039-4188

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

Company <u>Allegheny + Western</u> Address _____ Farm <u>Eastern Assoc. Coal Corp</u> Well No. <u>Eastern #34</u> District <u>Cabin Creek</u> County <u>Kanawha</u> Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer _____
	16			
	13			Size of _____
	10			
	8 1/4			Depth set _____
	6 1/4			
	5 3/16			Perf. top _____
	3			Perf. bottom _____
	2			
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 Company Rig #23

Remarks: Set 1781' of 7" casing + cemented with 150 SKs. Reg. 3% c.c. Plug down at 4:30 a.m. 6-23-85. Today drilling at 2685' + soaping hole.

6-24-85  
DATE

Carls W. High  
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			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 12/29/2023

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

INSPECTOR'S WELL REPORT

Permit No. 039-4188

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

Company <u>Allegheny + Western</u> Address _____ Farm <u>Eastern Assoc. Coal Corp</u> Well No. <u>Eastern # 34</u> District <u>Cabin Creek</u> County <u>Kanawha</u> Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer _____
	16			
	13			Size of _____
	10			
	8 1/4			Depth set _____
	6 3/4			
	5 3/16			Perf. top _____
	3			
	2			Perf. bottom _____
Liners Used			Perf. top _____	
			Perf. bottom _____	

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

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

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

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

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

Drillers' Names Petro Services Inc.

Remarks: T.D hole at 4000' 6-26-85. Moved rig off location. Today service rig on location doing well swab.

6-28-85

DATE

Carlos W. Hines  
DISTRICT WELL INSPECTOR

12/29/2023

Form 26  
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

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

Remarks:

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

DATE

\_\_\_\_\_  
DISTRICT WELL INSPECTOR 12/29/2023

✓ IR-26  
Obverse

INSPECTOR'S PERMIT SUMMARY FORM

6-17-85

WELL TYPE Gas  
ELEVATION \_\_\_\_\_  
DISTRICT Cabin Creek  
QUADRANGLE \_\_\_\_\_  
COUNTY Kanawha

API# 47-039 - 4188  
OPERATOR A+W Energy Corp.  
TELEPHONE \_\_\_\_\_  
FARM Eastern Assoc. Coal Corp.  
WELL # Eastern # 34

SURFACE OWNER \_\_\_\_\_ COMMENTS \_\_\_\_\_ TELEPHONE \_\_\_\_\_

TARGET FORMATION \_\_\_\_\_ DATE APPLICATION RECEIVED \_\_\_\_\_

DATE STARTED \_\_\_\_\_

LOCATION \_\_\_\_\_ NOTIFIED \_\_\_\_\_ DRILLING COMMENCED \_\_\_\_\_  
RECEIVED  
OIL AND GAS ENERGY

WATER DEPTHS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

COAL DEPTHS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

JUN 10 1986

CASING

Ran 788 feet of 9 5/8 "pipe on 6-20-85 with 300SKS fill up  
Ran 1781 feet of 7 "pipe on 6-23-85 with 175SKS fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up

TD 4000' feet on 6-26-85

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: \_\_\_\_\_ Type \_\_\_\_\_

Field analysis ph \_\_\_\_\_ fe \_\_\_\_\_ cl \_\_\_\_\_

Well Record received \_\_\_\_\_

Date Released 6-2-86

✓ Carlos W. Hively 12/29/2023  
Inspector's signature

API# 47 \_\_\_\_\_ - \_\_\_\_\_

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

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

**RECEIVED**  
 DEC 26 1985  
 DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

1.0 API well number (If not assigned, leave blank. 14 digits.) 47 - 020 - 488

2.0 Type of determination being sought (Use the codes found on the front of this form.) 103  
 Section of NGPA Category Code

3.0 Depth of the deepest completion location (Only needed if sections 103 or 107 in 2.0 above) 3901  
 feet

4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)  
Allegheny and Western Energy Corporation NA  
 Name Seller Code  
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)  
Cabin Creek District  
 Field Name  
Kanawha WV  
 County State  
 (b) For OCS wells:  
 Area Name Block Number  
 Date of Lease INITIAL NA  
 Mo. Day Yr. OCS Lease Number

(c) Name and identification number of this well (35 letters and digits maximum.)  
Eastern #34

(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.)  
Mountaineer Gas Company NA  
 Name Buyer Code  
 (b) Date of the contract:  
INITIAL  
 Mo. Day Yr.

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

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

9.0 Person responsible for this application:  
R. H. Hess President  
 Name Title  
R. H. Hess  
 Signature  
OCTOBER 23, 1985  
 Date Application is Completed  
304-343-4327  
 Phone Number

Agency Use Only  
 Date Received by Juris Agency  
**DEC 26 1985**  
 Date Received by NGPC

12/29/2023

STATE OF WEST VIRGINIA  
2797-73  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

JAN 15 1986

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: Oct 24, 1985 1100

Applicant's Name: Allegheny & Western Energy

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

Buyer's Purchaser Contract No. \_\_\_\_\_

Effective Date of Contract NA  
(Month, day and year)

Buyer's Name: Mountaineer Gas Company 640

Address: P.O. Box 3152 Charleston, WV  
(Street or P.O. Box)  
Charleston, WV 25329  
(City) (State) (Zip Code)

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

AGENCY USE ONLY

---

WELL DETERMINATION FILE NUMBER

851226 -1030 -039 - 4188

Use Above File Number on all  
Communications Relating to This Well

Designated Agent: Roland C. Baer, Jr.

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

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

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

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

Signature: *R H Hess*

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

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

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- |   |  |
|---|--|
| <input type="checkbox"/> 2 New Natural Gas<br><input type="checkbox"/> 102-2 2.5 Mile Test<br><input type="checkbox"/> 102-3 1000 Foot Deeper Test<br><input type="checkbox"/> 102-4 New Onshore Reservoir<br><input type="checkbox"/> 3 New Onshore Production Well<br><input checked="" type="checkbox"/> 103 New Onshore Production Well | <input type="checkbox"/> 108 Stripper Well Natural Gas<br><input type="checkbox"/> 108- Stripper Well<br><input type="checkbox"/> 108-1 Seasonally Affected<br><input type="checkbox"/> 108-2 Enhanced Recovery<br><input type="checkbox"/> 108-3 Temporary Pressure Buildup |
|---|--|

- 7 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
  - 107-1 Geopressured Brine
  - 107-2 Coal Seams
  - 107-3 Devonian Shale
  - 107-5 Production enhancement
  - 107-6 New Tight Formation
  - 107-7 Recompletion Tight Formation

AGENCY USE ONLY

---

QUALIFIED 12/29/2023

RECEIVED

DEC 26 1985



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

Date Oct 23 1985

Operator's Well No. Eastern 34

API Well No. 47 - 039 - 4188  
State County Permit

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL

NGPA Section 103

DESIGNATED AGENT Roland C. Baer, Jr.

ADDRESS P.O. Box 2587  
Charleston, WV 25329

WELL OPERATOR Allegheny & Western  
ADDRESS P.O. Box 2587  
Charleston, WV 25329

LOCATION: Elevation 743  
Watershed Banner Hollow  
Dist. Cabin County Kanawha Quad Eskdale  
Creek

GAS PURCHASER Mountaineer Gas  
ADDRESS P.O. Box 3152  
Charleston, WV 25301

Gas Purchase Contract No. KAN-1  
Meter Chart Code N/A  
Date of Contract 6-21-84

\* \* \* \* \*

Date surface drilling was begun: 6-17-85

Indicate the bottom hole pressure of the well and explain how this was calculated:

From Department of Interior Monograph 7

BHP = Absolute pressure plus pressure from gas column  
BHP = ( 505 ) + ( Specific Gravity X Depth )  
BHP = ( 505 + 46 )  
BHP = 551

AFFIDAVIT

I, R H Hess, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

R H Hess

STATE OF WEST VIRGINIA,  
COUNTY OF Kanawha, TO WIT:

I, Deborah J. Auxier, 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 23 day of October, 19 85, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 23 day of October, 19 85. My term of office expires on the 29 day of May, 19 90.

[NOTARIAL SEAL]

Deborah J. Auxier  
Notary Public

12/29/2023

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

**RECEIVED**  
 DEC 26 1985  
 DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

1.0 API well number: 47 - 039 - 4188

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

3.0 Depth of the deepest completion location: 3901  
 (Only needed if sections 103 or 107 in 2.0 above)  
 Category Code

4.0 Name, address and code number of applicant: Allegheny & Western Energy Corporation N/A  
 (35 letters per line maximum. If code number not available, leave blank.)  
 Name: P.O. Box 2587 Server Code  
 Street: Charleston WV 25329  
 City: WV 25329  
 State: WV 25329  
 Zip Code: 25329

5.0 Location of this well: (Complete (a) or (b).)  
 (a) For onshore wells: Cabin Creek District  
 (35 letters maximum for field name)  
 Field Name: Kanawha WV  
 County: WV State

(b) For OCS wells:  
 Area Name: \_\_\_\_\_ Block Identifier: \_\_\_\_\_  
 Date of Lease: NA NA  
 Mo. Day Yr. OCS Lease Number

(c) Name and identification number of this well: Eastern #34  
 (35 letters and digits maximum.)

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

6.0 (a) Name and code number of the purchaser: Mountaineer Gas Company NA  
 (35 letters and digits maximum. If code number not available, leave blank.)  
 Name: Mountaineer Gas Company Server Code

(b) Date of the contract: NA  
 Mo. Day Yr.

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

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

9.0 Person responsible for this application:  
 Agency Use Only  
 Date Received by Juris. Agency: DEC 26 1985  
 Date Received by FERC: \_\_\_\_\_  
 Name: R H Hess President  
 Signature: [Signature] Title  
 Date Application is Completed: NOVEMBER 23, 1985 304-343-4327  
 Phone Number: 304-343-4327

12/29/2023

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

2737-73

JAN 15 1986

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: Oct 24, 19 85 1100

Applicant's Name: Allegheny & Western Energy

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

Gas Purchaser Contract No. Ken-1

Date of Contract NA  
(Month, day and year)

First Purchaser: Mountaineer Gas Company 640

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

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

AGENCY USE ONLY

WELL DETERMINATION FILE NUMBER

851226 -1073-039-4189

Use Above File Number on all  
Communications Relating to This Well

Designated Agent: Roland C. Baer, Jr.

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

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

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

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

Signature: *R H Hess*

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

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

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

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

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

**RECEIVED**  
DEC 26 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

AGENCY USE ONLY

12/29/2023

QUALIFIED

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES OIL AND GAS DIVISION

Date October 25, 1985

Operator's Well No. Eastern 34

API Well No.  
47 - 039 - 488  
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 793

WELL OPERATOR Allegheny & Western Energy Watershed Banner Hollow

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

Charleston, West Virginia Gas Purchase Contract No. KAN-1

GAS PURCHASER Mountaineer Gas Company Meter Chart Code NIA

ADDRESS 414 Summers Street Date of Contract 6-21-84

Charleston, West Virginia

\* \* \* \* \*

Date surface drilling began: 6-17-85

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 = (505 + ) + Specific Gravity X Depth  
BHP = (505 + 46 )  
BHP = 551

AFFIDAVIT

I, R. H. Hess, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(1) or (3)(11)(A) has been filed, or as indicated by the report described in subparagraph (3)(11)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

RH Hess

STATE OF WEST VIRGINIA

COUNTY OF Kanawha, TO-WIT:

I, Deborah J Kuhl Auxier, a Notary Public in and for the state and county aforesaid, do certify that R. H. Hess, whose name is signed to the writing above, bearing date the 23 day of October, 1985, has acknowledged the same before me, in my county aforesaid.

12/29/2023

Given under my hand and official seal this 23 day of October, 1985.

My term of office expires on the 29 day of May, 1990.

Deborah J Kuhl Auxier  
Notary Public

Well: EASTERN #34

API No.: 47-039-4188

On the basis of the Gamma Ray Log, the top of the Devonian shale is established at 2466 feet and the base at 3986 feet, a total interval of 1520 feet of Devonian. The 5% disqualification factor is, therefore, established as  $.05 \times 1520$  feet, or 76.0 feet.

The gamma ray shale base line was established in the Devonian shale, exclusive of the black shale horizons, and was determined to be 148.2 API units. The 70% gamma ray index line is, therefore, 103.7 API units.

The total footage of disqualifying footage was calculated to be 5 feet or 0.33% of the total Devonian shale interval penetrated by the well bore. This well, therefore, qualifies for Devonian shale pricing.

12/29/2023

7772 6-17-85

4,475

### COAL COORDINATES

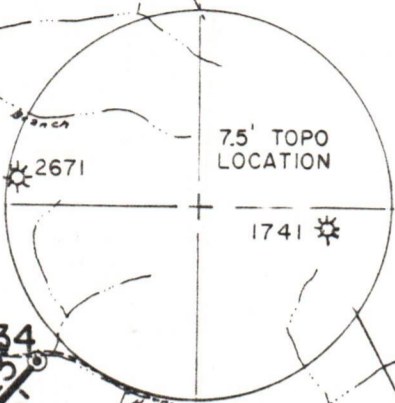
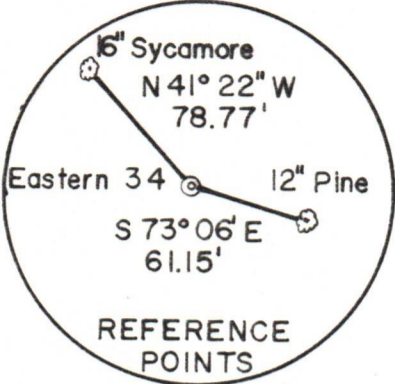
N 36170.18

E 58948.06

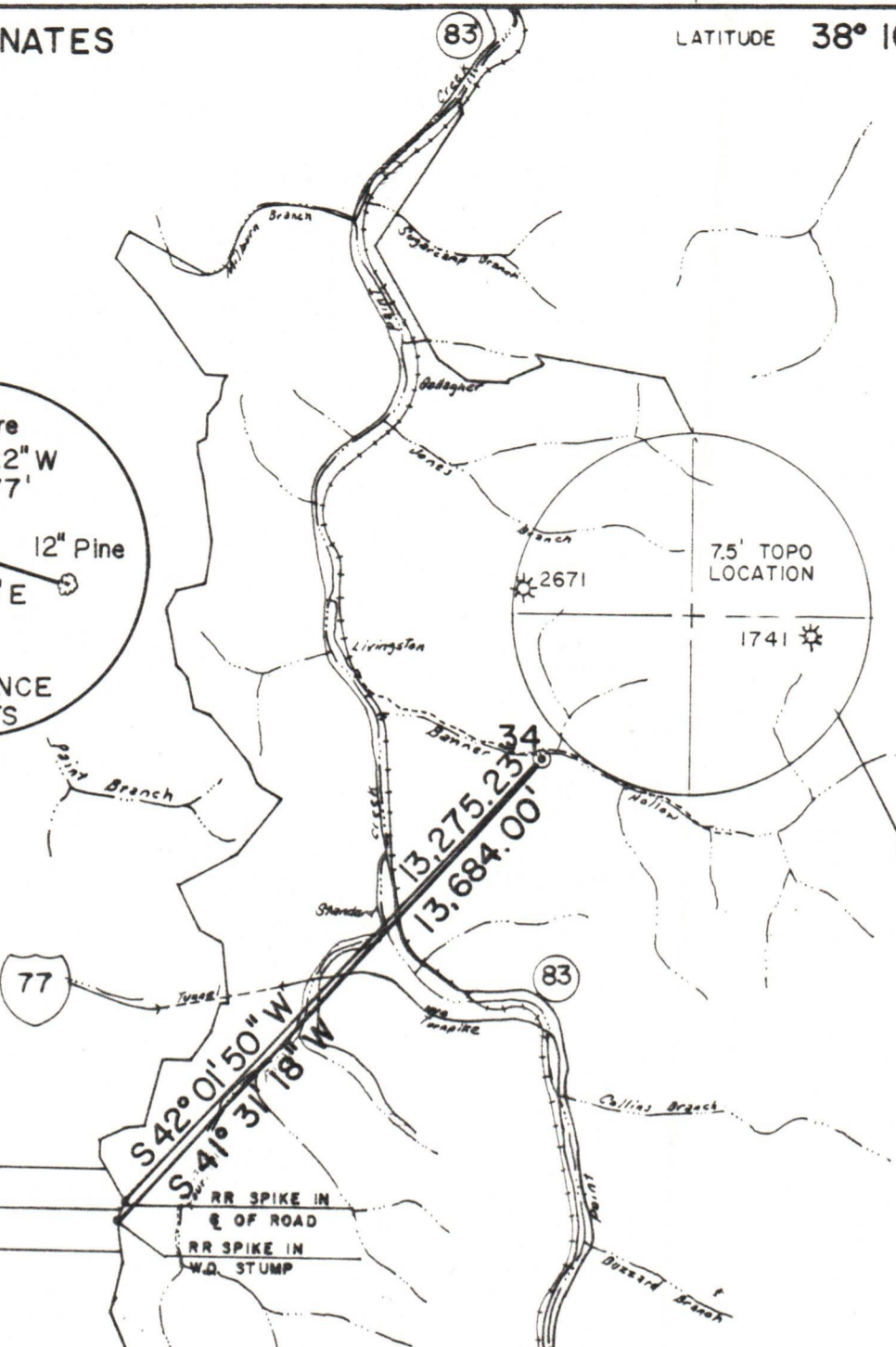
LATITUDE 38° 10' 00"

LONGITUDE 81° 22' 30"

6,800'



NORTH



S 31° 12' E 1193.5'

S 25° 36' W 434'

S 09° 36' E 896.3'

RR SPIKE IN  
E OF ROAD

RR SPIKE IN  
W.Q. STUMP

FILE NO. 10-002

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

SCALE 1" = 4000'

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) [Signature]

R. P. E. 8485 L. L. S. \_\_\_\_\_



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

FORM IV-6 (8-78)



DATE JUNE 5 19 85

OPERATOR'S WELL NO. 34

API WELL NO. 47-039-4188

STATE COUNTY PERMIT

Department of Mines  
Oil & Gas Division

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

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

LOCATION: ELEVATION 793 WATER SHED BANNER HOLLOW

DISTRICT CABIN CREEK COUNTY KANAWHA

QUADRANGLE CEDAR GROVE

SURFACE OWNER Eastern Associated Coal Corporation ACREAGE 21,238

OIL & GAS ROYALTY OWNER Eastern Associated Coal Corporation LEASE ACREAGE 2230

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

12/29/2023

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, WV 25329