



1) Date: July 5, 1984
 2) Operator's Well No. Ohley Trust #42
 3) API Well No. 47 039 4040
 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: 1950 Watershed: Kanawha River (K)
 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 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, 4985 feet
 13) Approximate trata depths: Fresh, 705 feet; salt, 1685 feet.
 14) Approximate coal seam depths: (630' deep) 1320 El. Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM

RECEIVED
 JUL 10 1984
 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									
Fresh water	9-5/8"	SMLS	32	X		845'	845'	300 cts	Kinds
Coal									7"
Intermediate									Sizes
Production	4 1/2"	SMLS	10.5	X		4985'	4985'	300 sks	Depths set Or as Required
Tubing									by Rule 15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-039-4040 Date July 10, 1984

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 July 10, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <u>LS</u>	Plat: <u>MH</u>	Casing: <u>MW</u>	Fee: <u>003-277</u>
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[Signature]
 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) Date: July 5, 1984
 2) Operator's Well No. 039
 3) Well No. 039
 State: West Virginia
 County: Boone
 District: Cedar Creek
 Elevation: 1250
 Well Type: Underflow storage B "U" Gas, Production
 Location: Watered Waterless
 Well Operator: Designated Agent Designated Agent
 Designated Agent Name: Designated Agent Name
 Designated Agent Address: Designated Agent Address
 Designated Agent City: Designated Agent City
 Designated Agent State: Designated Agent State
 Designated Agent Zip: Designated Agent Zip
 Drilling Contractor Name: Drilling Contractor Name
 Drilling Contractor Address: Drilling Contractor Address
 Drilling Contractor City: Drilling Contractor City
 Drilling Contractor State: Drilling Contractor State
 Drilling Contractor Zip: Drilling Contractor Zip
 Proposed Well Work: Drill Drill & Descent Plug off old formation Reformat new formation Other physical change in well (specify) _____
 Geological Target Formation: Indium, Zinc, & Devonian shales
 Estimated depth of completed well: 1985
 Approximate true depth: 1985
 Approximate coal seam depth: 1985
 Casing and Tubing Program: Casing and Tubing Program

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started	July 10, 1984	7/10/84
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____
 Reason: _____

Blanket	Agent	Blat	Casing	Loc



1) Date: July 5, 19 84
 2) Operator's Well No. Ohley Trust #42
 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: 1950 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 Name Rodney G. Dillon
 Address P.O. Box 30
 Scarbro, WV 25917
- 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, 4985 feet
 13) Approximate strata depths: Fresh, 705 feet; salt, 1685 feet.
 14) Approximate coal seam depths: 1320 Ft. Is coal being mined in the area? Yes X / No
- 15) CASING AND TUBING PROGRAM

RECEIVED
 JUL 10 1984
 OIL & GAS DIVISION
 DEPT. OF MINE

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>845'</u>	<u>845'</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>3225'</u>	<u>3225'</u>	<u>200 cts</u>	Sizes
Intermediate									
Production	<u>4 1/2"</u>	<u>SMLS</u>	<u>10.5</u>	<u>X</u>		<u>4985'</u>	<u>4985'</u>	<u>300 sks</u>	Depths set <u>Or as Required</u>
Tubing									<u>by Rule 15.01</u>
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 / 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: July 5, 19 84

By James Ellstrom
 Its Inspector - Agent

02/09/2024
 Coal Owner

1) Date: July 5, 19 84
2) Operator's Well No. Ohley Trust #42
3) API Well No. 47 - 039 - 4040
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 Trustees
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 _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas. *see Kanawha 4030*
- 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

R.H. Hiss
this 5th day of July, 1984.
My commission expires June 3, 1992.

Notary Public, Kanawha County,
State of West Virginia

WELL OPERATOR Allegheny & Western Energy Corp.

By R.H. Hiss
Its President
Address P.O. Box 2587
Charleston, WV 25329
Telephone (304) 343-4327

RECEIVED

JUL 10 1984

OIL & GAS DIVISION
DEPT. OF MINES

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

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

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

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

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

Farmout from:

Columbia Gas Transmission Corp.		1/8	Not Recorded	5-11-78
United Fuel Gas Co.	Ohley Coal Co.	1/8	100	106-114

02/09/2024



1) Date: July 5, 1984
 2) Operator's Well No. Ohley Trust #42
 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: 1950 Watershed: Kanawha River
 District: Cabin Creek County: Kanawha Quadrangle: Esdale
- 6) WELL OPERATOR Allegheny & Western Energy Corp. 7) DESIGNATED AGENT Roland C. Beer, 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 J. Holcomb Rodney Dillon Name _____
 Address P.O. Box 30 Address _____
Hampshire, WV 25923 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) _____
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RECEIVED
 JUL 10 1984
 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									Kinds
Fresh water	<u>9-5/8"</u>	<u>SMLS</u>	<u>32</u>	<input checked="" type="checkbox"/>		<u>845'</u>	<u>845'</u>	<u>300 cts</u>	<u>By Rule 15.05</u>
Coal	<u>7"</u>	<u>SMLS</u>	<u>23</u>	<input checked="" type="checkbox"/>		<u>3225'</u>	<u>3225'</u>	<u>200 cts</u>	Sizes
Intermediate									
Production	<u>4 1/2"</u>	<u>SMLS</u>	<u>10.5</u>	<input checked="" type="checkbox"/>		<u>4985'</u>	<u>4985'</u>	<u>300 gks</u>	Depths set <u>Or as Required</u>
Tubing									<u>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: _____
 By Jane Ellerton
 Its Trustee - Agent Date 7-5-84

 (Signature) Date: _____

 (Signature) Date: _____

**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.



Date July 26, 1984
 Operator's Well No. Ohley # 42
 Farm Ohley Trust
 API No. 47 - 039 - 4040

RECEIVED
 AUG - 8 1984

State of West Virginia
 Department of Mines
 Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES WELL OPERATOR'S REPORT
 OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /
 (If "Gas," Production / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 1850 Watershed Kanawha River
 District: Cabin Creek County Kanawha Quadrangle Eskdale 7.5'

COMPANY ALLEGHENY & WESTERN ENERGY CORPORATION

ADDRESS P.O. Box 2587 Charleston, WV 25329

DESIGNATED AGENT Roland C. Baer, Jr.

ADDRESS P. O. Box 2587 Charleston, WV 25329

SURFACE OWNER J.E. Watson III et al Trustee

ADDRESS Room 510 1st National Bank, Fairmont WV

MINERAL RIGHTS OWNER Ohley Coal Company

ADDRESS See Allegheny & Western Energy Corp.

OIL AND GAS INSPECTOR FOR THIS WORK _____

J. Holcomb ADDRESS RR 1 Box 28 Hamlin, WV

PERMIT ISSUED 7-10-84

DRILLING COMMENCED 7-11-84

DRILLING COMPLETED 7-18-84

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	40	40	to surf
9 5/8			
8 5/8			
7	2620	2620	200 sx
5 1/2			
4 1/2	5100	5100	100 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Injun, Weir, Devonian Shale Depth 2867, 3396, 2980 feet

Depth of completed well 5100 feet Rotary / Cable Tools _____

Water strata depth: Fresh 705 feet; Salt 1685 feet

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

OPEN FLOW DATA

Producing formation Injun Weir Pay zone depth 2867 2980 feet

Gas: Initial open flow 150 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 150 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 72 hours

Static rock pressure 375 psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

Second producing formation Devonian Shale Pay zone depth 3396 feet

Gas: Initial open flow 1050 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 1050 Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests 24 hours

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

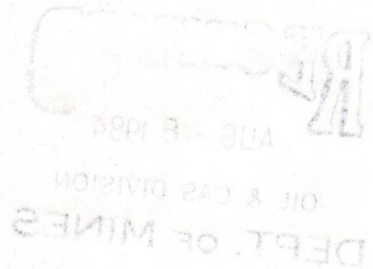
KAW 4040

02/09/2024

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

Perforate 3810-5100 with 40 holes

Frac with 60,000 #20-40 sand, 117600 scf N₂.



WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sandstone			0	48	
Shale			48	635	
Coal			635	650	
Shale			650	1400	
SD & SH			1400	1718	
Shale			1718	2604	
Pencil Cave			2604	2618	
Shale			2618	2658	
Big Lime			2658	2867	
Injun			2867	2930	
			2930	2980	
Weir			2980	2998	
Shale			2998	3282	
Lower Weir			3282	3302	
Coffee			3302	3344	
Berea			3344	3396	
Devonian Shale			3396	5100	

(Attach separate sheets as necessary)

Allegheny & Western Energy Corporation

Well Operator

02/09/2024

By:

Date: August 2, 1984

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

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

RECEIVED

JUL 17 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4040

Oil or Gas Well _____
(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>	<u>Charleston, WV</u>	<u>JAMES WATSON III</u>	<u>#42</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
																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. Rig #22

Remarks: RUN 1058 FT. 9 5/8 CASING CEMENT WITH 300 SACKS CLASS A CEMENT CEMENT TO SURFACE

7/12/84
DATE

Red Williams
DISTRICT WELL INSPECTOR

02/09/2024

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

RECEIVED

JUL 30 1984

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

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4040

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Allegheny Western</u>	Size			
<u>Charleston</u>	16			Kind of Packer _____
<u>Obley Trust</u>	13			
<u>#42</u>	10			Size of _____
<u>Cabin Creek</u> County <u>MAN</u>	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: FRAC Well (Dowell)

7/24/84
DATE

Loed Wilson
02/09/2024
DISTRICT WELL INSPECTOR

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

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

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

Drillers' Names _____

Remarks:

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

DATE

DISTRICT WELL INSPECTOR 02/09/2024

RECEIVED

JUL 30 1984

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL & GAS DIVISION OIL AND GAS WELLS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4040

Oil or Gas Well (KIND)

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

Drillers' Names: Petco Service Rig

Remarks: Run 2 3/8 tubing in well

7/27/84 DATE

Rod Dillon 02/09/2024 DISTRICT WELL INSPECTOR

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 _____
02/09/2024

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

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OCT 1 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4040

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>#42</u>	13			
District <u>Cabin Creek</u> County <u>Kan.</u>	10			Size of _____
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: Go To MAKE FINAL INSPECTION
LOCATION RECLAIMED & SEED
SMALL GAS LEAK ON 4 1/2 WELL HEAD

9-24-84
DATE

Scott Diller
DISTRICT WELL INSPECTOR 02/09/2024

RECEIVED
OCT 1 1982
OIL & GAS DIVISION
DEPT. OF MINES

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

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

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

Drillers' Names _____

Remarks: _____

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

_____ DISTRICT WELL INSPECTOR
02/09/2024

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

RECEIVED

NOV 26 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4040

Oil or Gas Well Gas
(KIND)

Company <u>Allegheny & Western</u> Address <u>Chap.</u> Farm <u>Obley Trust</u> Well No. <u>#42</u> District <u>Cabin Cr.</u> County <u>Kan</u> Drilling commenced <u>7-10-84</u> Drilling completed <u>7/18/84</u> Total depth <u>5000'</u> 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			Depth set _____
	8 3/4			
	6 5/8			Perf. top _____
	5 3/16			Perf. bottom _____
	3			Perf. top _____
	2			Perf. bottom _____
	Liners Used			

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks: Reclaimed & Seeded ID on Well
Grass Growing Good
Needs Some Brush Cut Before Releasing

11-21-84
DATE

Rod Diller
DISTRICT WELL INSPECTOR

02/09/2024

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:

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

DISTRICT WELL INSPECTOR 02/09/2024



RECEIVED
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
September 11, 1984

COMPANY Allegheny & Western Energy Corp.

PERMIT NO 039-4040

P. O. Box 2587

FARM & WELL NO Ohley Trust #42

Charleston, West Virginia 25329

DIST. & COUNTY Cabin Creek/Kanawha

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	_____	_____
25.04	Prepared before Drilling to Prevent Waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at Wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strenght	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to Prevent Waste	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
23.07	Requirements for Production & Gathering Pipelines	_____	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	_____	_____

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

SIGNED Carlos W. Hinely

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. L. ...
Administrator-Oil & Gas Division

May 13, 1985

DATE

TMS/nw

2014 7/10/84

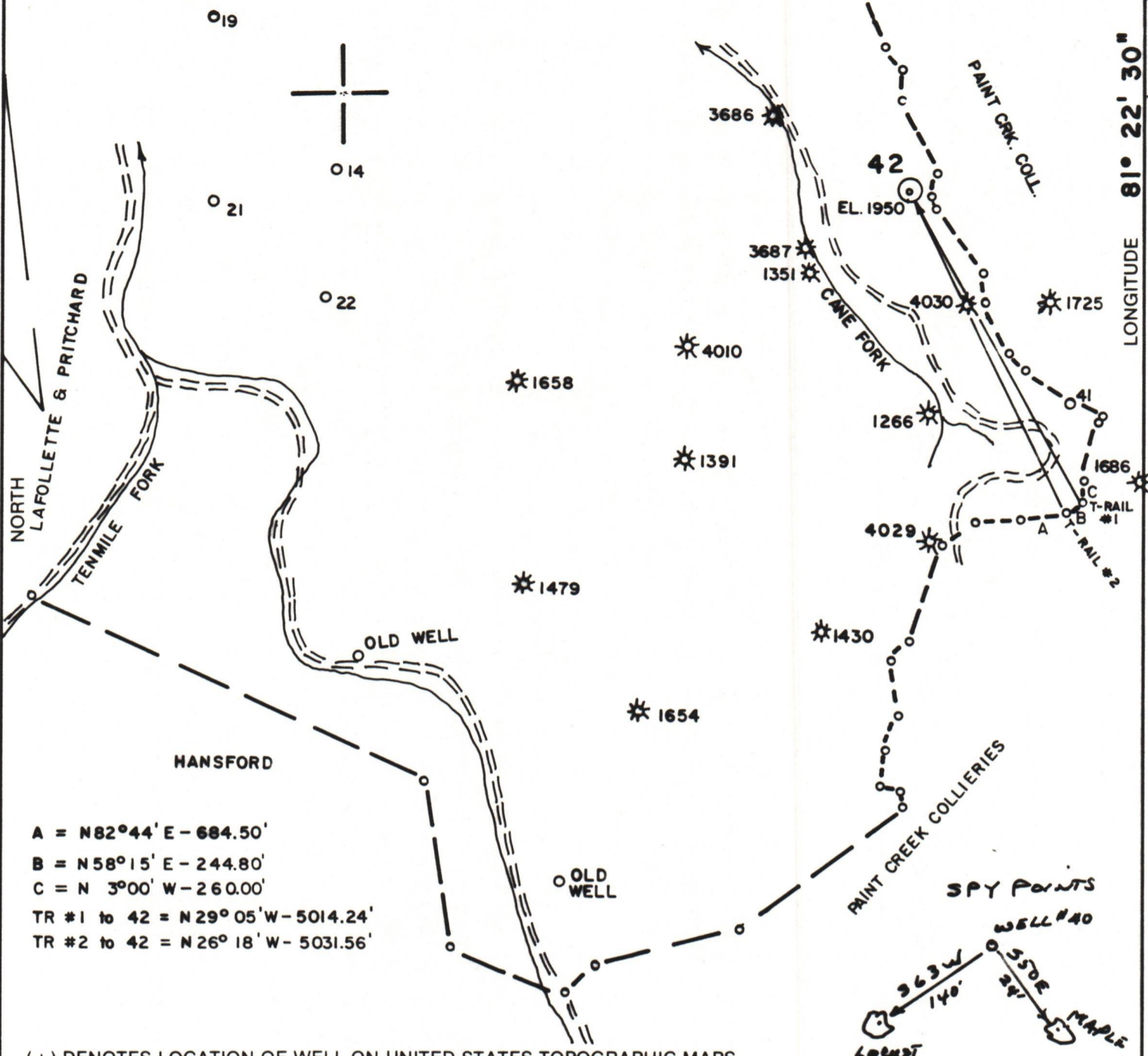
11,020' WEST

COAL COORDINATES

E = 22,069.12
N = 15,594.41

LATITUDE 38° 05' 00"

LONGITUDE 81° 22' 30"



A = N82°44' E - 684.50'
 B = N58°15' E - 244.80'
 C = N 3°00' W - 260.00'
 TR #1 to 42 = N29°05' W - 5014.24'
 TR #2 to 42 = N26°18' W - 5031.56'

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

FILE NO. 84-355
 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) [Signature]
 R.P.E. 3788 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 6/25, 1984
 OPERATOR'S WELL NO. 42
 API WELL NO. 47 039 4040

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1950' WATER SHED CANE FORK
 DISTRICT CABIN CREEK COUNTY KANAWHA
 QUADRANGLE ESKDALE 7.5

SURFACE OWNER J. E. WATSON III ACREAGE 5438
 OIL & GAS ROYALTY OWNER OHLEY COAL COMPANY LEASE ACREAGE 5438
 LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 ENERGY DESIGNATED AGENT ROLAND C. BAER
 ADDRESS P. O. BOX 2587 ADDRESS SAME
 CHARLESTON, WV 25329

02/09/2024

COUNTY NAME PERMIT

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



1) Date: July 5, 19 84
 2) Operator's Well No. Ohley Trust #42
 3) API Well No. 47 029
 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: 1950 Watershed: Kanawha River
 District: Cabin Creek County: Kanawha Quadrangle: Esdale
- 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 J. J. Holcomb Rodney Dillon Name _____
 Address P.O. Box 30 Address _____
Hamlin, WV 25928 Scarbore, 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, 4985 feet
 13) Approximate strata depths: Fresh, 705 feet; salt, 1685 feet.
 14) Approximate coal seam depths: 1320 ft. Is coal being mined in the area? Yes No
- 15) CASING AND TUBING PROGRAM

RECEIVED
 JUL 10 1984

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		Kinds	
Conductor										
Fresh water	<u>9-5/8"</u>	<u>SMLS</u>	<u>32</u>	<u>X</u>		<u>845'</u>	<u>845'</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>3225'</u>	<u>3225'</u>	<u>200 cts</u>		<u>Sizes</u>
Intermediate										
Production	<u>4 1/2"</u>	<u>SMBS</u>	<u>10.5</u>	<u>X</u>		<u>4985'</u>	<u>4985'</u>	<u>300 sbs</u>		<u>Depths set Or as Required</u>
Tubing										<u>by Rule 15.01</u>
Liners										<u>Perforations:</u>
									<u>Top</u>	<u>Bottom</u>

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 X / owner _____ / 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.

Date: July 9, 19 84

By Imperial Colliery Co.
 Its A. L. Bonham,
Chief Engineer

02/09/2024
 Coal Owner

JUL 3 1984



IV-9
(Rev 8-81)

DATE 3 July, 1984

WELL NO. 42

API NO. 47 - 039 - 4040

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Allegheny & Western Energy DESIGNATED AGENT Roland C. Baer Jr
Address P. O. Box 2587, Charleston, WV Address Box 2587, Charleston, WV 25325
Telephone 343-4327 Telephone 343-4327
LANDOWNER J. E. Watson III 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: JUL 10 1984 (Date)

R. C. Baer Jr
(SCD Agent)

SEE ATTACHED
COMMENTS

ACCESS ROAD

Structure Drain Ditch (A)
Spacing Ditch Line
Page Ref. Manual 2:12

LOCATION

Structure Diversion Ditch (1)
Material Cut in side of Location
Page Ref. Manual 2:12 & 2:13

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

Structure Siltation Barrier (2)
Material Straw
Page Ref. Manual 2:18

OIL & GAS DIVISION

Structure _____
Spacing _____
Page Ref. Manual _____

Structure Pit (3)
Material Dug out-plastic lined
Page Ref. Manual N/A

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JUL 10 1984

DEPT. OF MINES

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 1000 lbs/acre
(10-20-20 or equivalent)
Mulch Straw 3 Tons/acre
Seed* Ky 31 Fescue 50 lbs/acre
Annual Rye 30 lbs/acre
_____ lbs/acre

SAME AS AREA I

Treatment Area II

Lime _____ Tons/acre
or correct to pH _____
Fertilizer _____ lbs/acre
(10-20-20 or equivalent)
Mulch _____ Tons/acre
Seed* _____ lbs/acre
_____ lbs/acre
_____ lbs/acre

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

PLAN PREPARED BY

William E. Bennett
02/09/2024

ADDRESS

Box 2683
Charleston, WV 25330

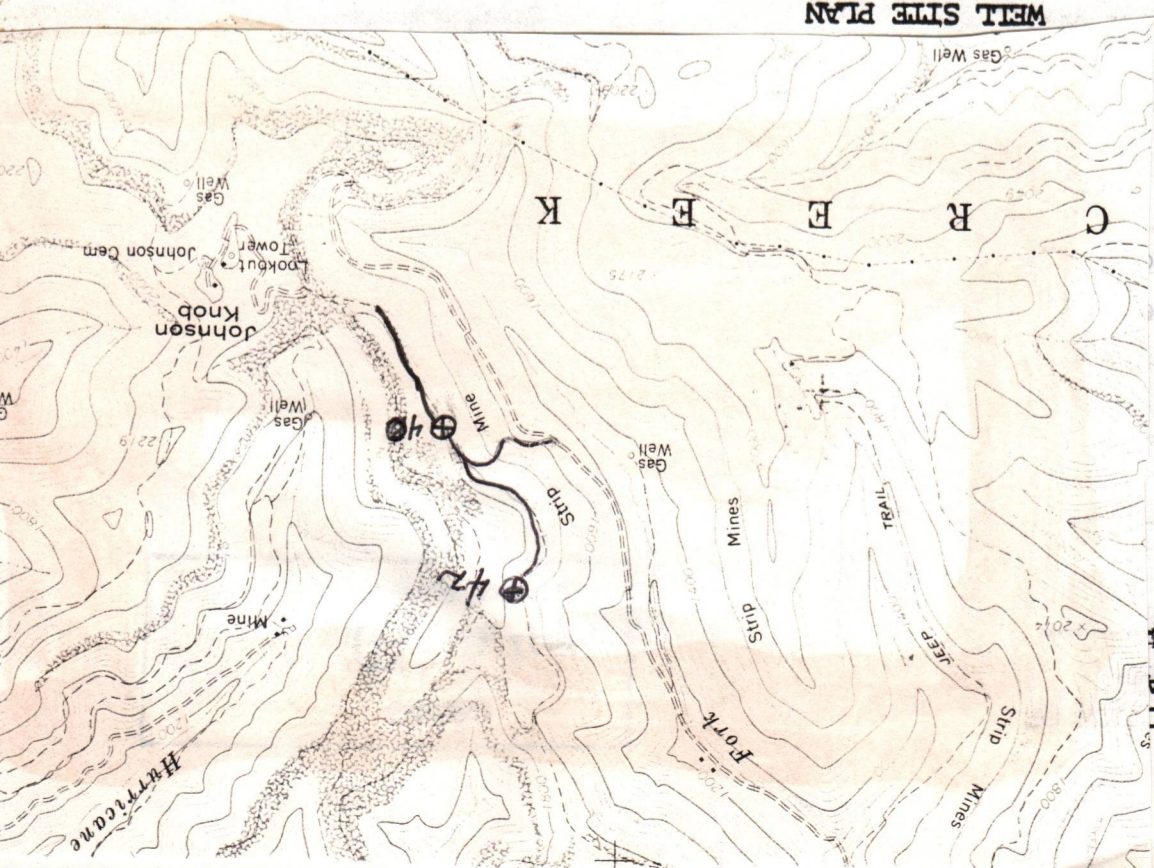
PHONE NO.

345-0216

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

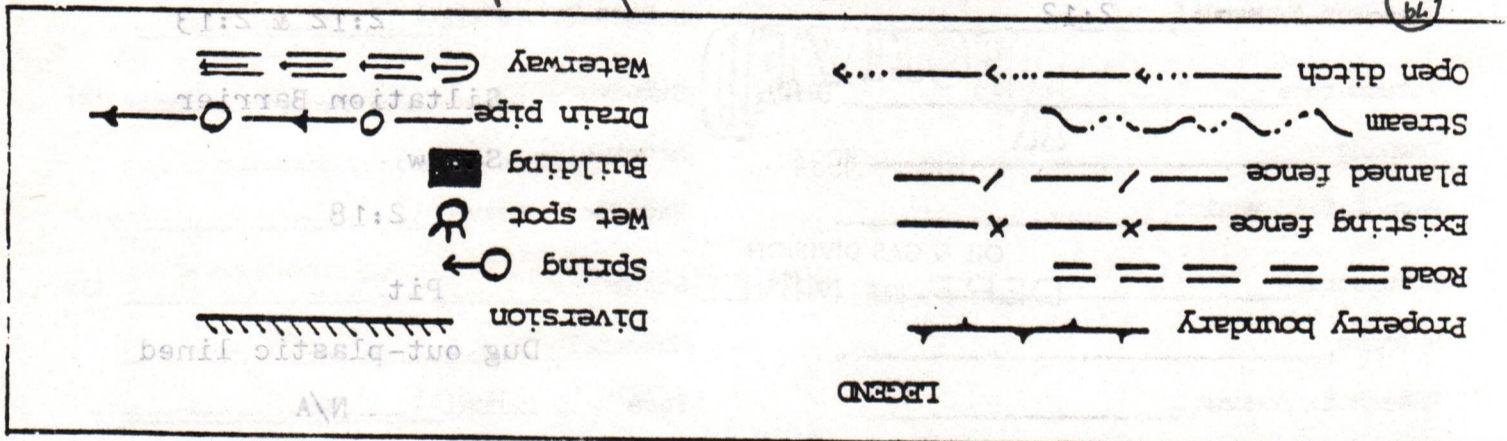
ATTACH OR PHOTOCOPY SECTION INVOLVED TOPOGRAPHIC MAP QUADRANGLE ESKDALE 24

02/09/2024



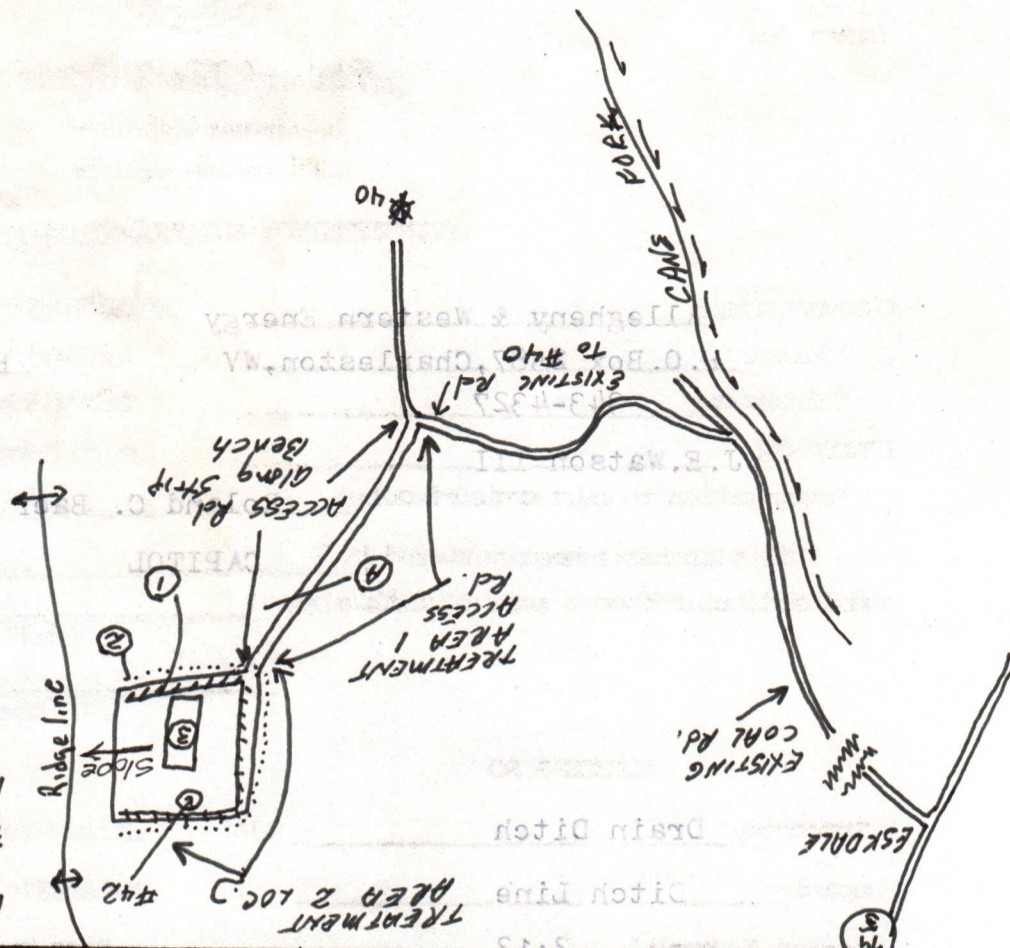
SAME AS AREA I

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



Existing coal & well road to be used onto strip bench and properly maintained, and upgraded. Topsoil will be scalped, stockpiled and used for topdressing after grading. Distance of access road along strip bench approx. 2300' with grade of 10% or 6'

Approx. SE boundary of 5438 acre lease



Box 2587, Charleston, W.V. 25325
 343-4727
 Roland C. ...
 3 Univ. 1084