

7/85

RECEIVED
OCT - 3 1985



1) Date: October 2, 1985
 2) Operator's Well No. Ohley #53
 3) API Well No. 47 039 -4255
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, 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: 1299 Watershed: Cabin Creek
 District: Cabin Creek 2 County: Kanawha Quadrangle: Eskdale 7.5' 340
- 6) WELL OPERATOR Allegheny & Western Energy Corp CODE: 1100 7) DESIGNATED AGENT Roland C. Baer, Jr.
 Address P. O. Box 2587 Address P. O. Box 2587
Charleston, West Va. 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 / 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, 720 feet; salt, 1620 feet.
 14) Approximate coal seam depths: 2120 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		900'	900'	300 cts.	By Rule 15.05
Coal	7"	Smls	23	X		1800'	1800'	200 cts.	Sizes
Intermediate									
Production	4 1/2"	SMLS	10.5	X		5290'	5290'	200-400 cts.	Depths set Or As Required
Tubing									By Rule 15.01
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-039-4255 Date October 21 1985

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 October 21, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AB</u>	Plat: <u>MU</u>	Casing: <u>MU</u>	Fee: <u>2561</u> <u>2562</u>	WPCP: <u>MU</u>	S&E: <u>MU</u>	Other: _____
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R. Baer
 Director, Division 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.

12/08/2023 File

OFFICE USE ONLY

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

Well ID	Well Name	Well Type	Well Depth (ft)	Well Diameter (in)	Well Status
300 cfs	300 cfs	300 cfs	300'	300'	300 cfs
300 cfs	300 cfs	300 cfs	300'	300'	300 cfs

OFFICE USE ONLY

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

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		
OTHER INSPECTIONS		

Reason: _____

Reason: _____



SEP. 30 1985

WW-9

RECEIVED
OCT - 3 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of ENERGY
Oil and Gas Division

DATE September 30, 1985

WELL NO. Ohley 53

API NO. 47 - 039 - 4355

CONSTRUCTION AND RECLAMATION PLAN

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 Ohley Land Co. SOIL CONS. DISTRICT Capitol
Revegetation to be carried out by Roland C. Baer (Agent)

This plan has been reviewed by Capitol SCD. All corrections
and additions become a part of this plan: OCT. 2 1985 (Date)

R. C. Alford
(SCD Agent)

"SEE ATTACHED COMMENTS"
LOCATION

ACCESS ROAD

Structure Drainage Ditch (A)
Spacing Along Access Road
Page Ref. Manual _____
Structure _____ (B)
Spacing 12" Min. - 42" Max. I.D. as shown on sketch.
Page Ref. Manual 2:7 to 2:11
Structure Cross Drains (C)
Spacing As shown on sketch
Page Ref. Manual 2:1 to 2:6

Structure Diversion Ditch (1)
Material Earthen
Page Ref. Manual 2:12 to 2:13
Structure Retention Barrier (2)
Material Straw Bales
Page Ref. Manual _____
Structure Pit (3)
Material Dug and plastic lined
Page Ref. Manual _____

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

REVEGETATION

Treatment Area I

Lime 3.0 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or Straw 2.0 Tons/acre
Seed* Ky. 31 Tall Fescue 45 lbs/acre
Crownvetch 10 lbs/acre
Rye Grass 10 lbs/acre

Treatment Area II

Lime 3.0 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or Straw 2.0 Tons/acre
Seed* Ky. 31 Tall Fescue 45 lbs/acre
Crownvetch 10 lbs/acre
Rye Grass 10 lbs/acre

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

George J. Rollins Jr.
A & Associates, Ltd. 12/08/2023

PLAN PREPARED BY

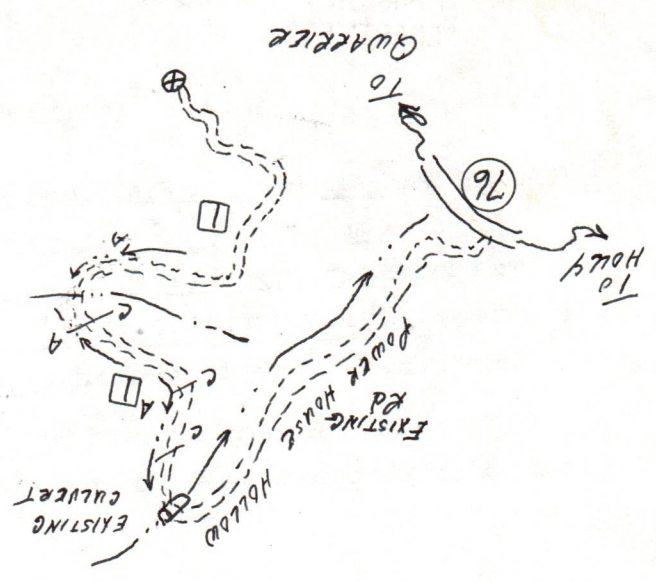
ADDRESS 1206 Virginia Street, East
Charleston, WV 25301

PHONE NO. (304) 346-0505

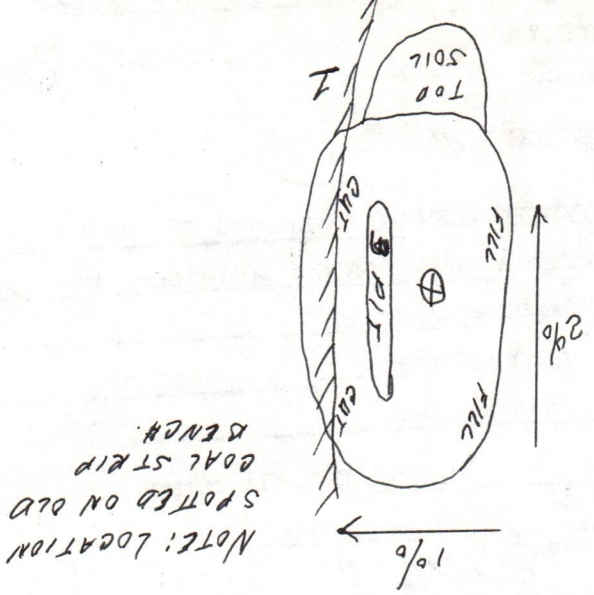
NOTES: Please request landowner's cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.

Note: Access Road to be constructed or upgraded with erosion control in mind. Road is to be sloped 1 to 2% toward open ditch line. All outlets of drainage and ditches will be to stable areas. All brush and timber to be cut prior to any earth movement. Timber 6" and up to be trimmed and stacked. Topsoil to be stockpiled for reclamation.

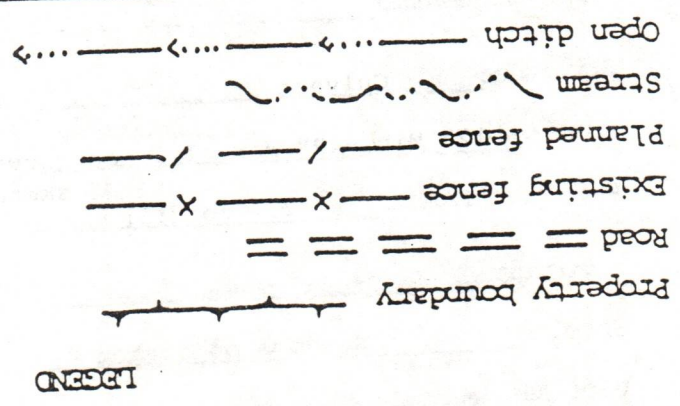
TREATMENT AREA I



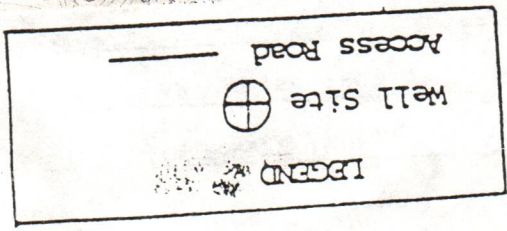
TREATMENT AREA II



SPACING OF STAKE CROSS BRAINS 6300' TOTAL
 LENGTH OF ACCESS RD 3 TO 7% AS NOTED 6300'
 TOTAL



part of this plan. Include all natural drainage. List of structures numbered or lettered to correspond with the first part of this plan.



OR PHOTO COPY SECTION OF SOLVED TOPOGRAPHIC MAP. RANGE ESKDALE T.S.

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

DATE: OCTOBER 2, 1985

RECEIVED
OCT - 3 1985

WELL SITE: OHLEY 53
Allegheny & Western Energy Corp

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

QUADRANGLE: ESKDALE

LANDOWNER: OHLEY LAND COMPANY

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

PLAN RECEIVED BY CAPITOL SCD ON: SEPTEMBER 30, 1985, delivered by Jr. Rollins

PLAN REVIEWED BY: Linda M. Cable, District Manager, Capitol SCD, on
October 1, 1985.

SITE FIELD REVIEWED YES DATE NO X

RECLAMATION 'PLAN COMMENTS:

(1) NO COMMENTS!

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 Energy

12/08/2023

1) Date: October 2, 1985
Operator's
2) Well No. Ohley #53
3) API Well No. 47 - 039 - 4255
State County Permi

4255

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

5 (i) COAL OPERATOR Imperial Colliery Company
Address P. O. Box 638
Lynchburg, Virginia 24505

(i) Name Ohley Land Company
Address P. O. Box 638
Lynchburg, Virginia 24505

5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Ohley Land Company
Address P. O. Box 638
Lynchburg, Virginia 24505

(ii) Name _____
Address _____

(iii) Name _____
Address _____

P 235 698 878
RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO C. Lynch Christian, Jr. Imperial Colliery Co. Box 638 P.O., STATE AND ZIP CODE Lynchburg, VA 24505	
POSTAGE	\$ 2.40
CERTIFIED FEE	1.45 ^c
SPECIAL DELIVERY	c
RESTRICTED DELIVERY	c
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	
SHOW TO WHOM AND DATE DELIVERED	c
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	c
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	c
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c
TOTAL POSTAGE AND FEES	\$ 3.85
POSTMARK OR DATE	CHARLESTON WV OCT 3 1985

TO THE PERSON(S)

- (1) The Applicant
- (2) The plat
- (3) The Construction and Reclamation Plan

THE REASON WHICH ARE SUMMARY OF THE DESIGNATION

Take notice that the undersigned proposes for a Well Work Permit at the local office. Copies of this notice have been mailed above (or by publication) to the Director

- 6) EXTRACTION
 - Include
 - The required
- 7) ROYALTY PRO

5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Imperial Colliery Company
P. O. Box 638
Lynchburg, Virginia 24505

and the following documents:

1) which sets out the parties to the well and its location program; 2) a Form WW-6, and 3) unless the well work is only for sediment control and for

RIGHTS REGARDING THE APPLICATION OF THE COPY OF THE APPLICATION MAKE ANY ACTION AT ALL.

Under the undersigned well operation and accompanying documents and Gas, with respect to a permit attached Form WW-6. Construction and Reclamation Plan is in hand to the person(s) named the day of mailing or delivery.

contract or contracts by which I have entered into (see reverse side for specifics.)

DIVISION OF OIL & GAS

RECEIVED
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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 WW-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by
R. H. Hess

WELL OPERATOR Allegheny & Western Energy Corp.

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

this 2nd day of October, 1985,
My commission expires Sept. 21, 1993.
Gary F. Collins Jr.
Notary Public, Kanawha County,
State of West Virginia

12/08/2023

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 Division 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 §22B-1-9(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 §22B-1-36.
- 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 §22B-1-6 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 §22B-1-2C and the reclamation required by Code §22B-1-30 and Regulation 23; (iv) unless previously paid on the same well, the fees required by Code §22B-1-2(c) and 22B-1-29, and (v) if applicable, the consent required by Code §22B-1-21 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 § § 22B-1-9, 22-B-1-13 and 22B-1-14.

INFORMATION SUPPLIED UNDER CODE §22B-1-8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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

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

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book page</u>
Farmout From:			
Columbia Gas Transmission Corp.	<i>A.W. Energy Corp.</i>	1/8	Not Recorded 5-11-78
United Fuel Gas Co.	Ohley Coal Co.	1/8	100 12/08/2023 100-114

←————→

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SITE REGISTRATION APPLICATION FORM
STATE OF WEST VIRGINIA/NPDES GENERAL PERMIT FOR OIL AND GAS
DRILLING PIT WASTE DISCHARGE

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1. Company Name Allegheny & Western Energy Corporation
2. Mailing Address P. O. Box 2587 Charleston, West Virginia 25329
street city state zip
3. Telephone (304) 343-4327 4. Well Name Ohley #53
5. Latitude 38° 05' 00" Longitude 81° 25' 00"
6. NPDES # WV0073343 7. Dept. Oil & Gas Permit NO. 47-039-4253 4255
8. County Kanawha 9. Nearest Town Quarrier
10. Nearest Stream Cabin Creek 11. Tributary of Kanawha River
12. Will Discharge be Contracted Out? yes x no _____
13. If Yes, Proposed Contractor A E Associates, Ltd.
Address P. O. Box 607 Charleston, West Virginia 25322
Telephone (304) 346-0505
14. Proposed Disposal Method: UIC _____ Land application x*
Off Site Disposal x* Reuse _____ Centralized Treatment _____
Thermal Evaporation x* Other _____ *Note: As Field Conditions Require
15. Attach to this application a topographic map (a duplicate of the one submitted to the Office of Oil and Gas) showing the outline of the facility, location of wells, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the lease that may be impacted by any land application.

Nothing in the general permit shall be deemed in any way to create new, or enlarge existing, rights of riparian owners or others. Neither does anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the requirements of W. Va. Code S22-4-1 et seq. The issuance of the general permit does not convey any property rights of any sort. Nor shall the issuance of the general permit give rise to any presumptions of law or findings of fact inuring to or for the benefit of persons other than the State of West Virginia.

12/08/2023



IV-35
(Rev 8-81)

Date December 9, 1985
Operator's Well No Ohley #53
Farm Ohley Trust
API No. 47 - 039 - 4255

State of West Virginia
Department of Mines
Oil and Gas Division

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: 1299 Watershed Cabin Creek
District: Cabin Creek County Kanawha Quadrangle Eskdale

COMPANY Allegheny and Western Energy
ADDRESS P.O. Box 2587; Charleston, WV
DESIGNATED AGENT Dennis L. Mann
ADDRESS P.O. Box 2587; Charleston, WV
SURFACE OWNER Ohley Trust
ADDRESS Fairmont, WV
MINERAL RIGHTS OWNER Ohley Trust
ADDRESS Fairmont, WV
OIL AND GAS INSPECTOR FOR THIS WORK Carlos
Hivley ADDRESS Elkview, WV
PERMIT ISSUED 10/21/85
DRILLING COMMENCED 10/31/85
DRILLING COMPLETED 11/7/85
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	40	40	To surface
9 5/8	835	835	300 sx.
8 5/8			
7	2138	2138	175 sx.
5 1/2			
4 1/2	4922	4922	250 sx.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2830 feet
Depth of completed well 5022 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 720 feet; Salt 1620 feet
Coal seam depths: 2120 Is coal being mined in the area? Yes

OPEN FLOW DATA
Producing formation Big Injun Pay zone depth 2307 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 428 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 590 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Devonian Shale Pay zone depth 2830 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 1,100 Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 5090 psig (surface measurement) after 24 hours shut in

(Continue on reverse side)

KAN
4255

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

Perforate 2353-3072 w/45 holes
3180-4883 w/45 holes

Frac w/120,000# 20/40 sand, 2000 gallons acis 2,205 MscfN₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
					all depths 10' K.B.
Sandstone and Shale			0	1227	
Salt Sand			1227	1348	
Shale			1348	1378	
Salt Sand			1378	1706	
Sand and Shale			1706	1805	
Lime Stone			1805	1837	
Shale and Sand			1837	1948	
Little Lime			1948	1998	
Slate and Lime			1998	2038	
Big Lime			2038	2300	
Shale			2300	2307	
Big Injun			2307	2370	
Siltstone and Shale			2370	2762	
Sunbury Shale			2762	2782	
Berea Siltstone			2782	2830	
Sandy Siltstone and Shale			2830	3020	
Grey and Brown Silty Shale			3020	5022	T.D. 5022' K.B.

(Attach separate sheets as necessary)

Allegheny and Western Energy Corporation
Well Operator

By:

Devin L. Mann 12/08/2023

Date: December 9, 1985

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

10-21-85

✓ IR-26
Obverse

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE Gas
ELEVATION _____
DISTRICT Cabin Creek
QUADRANGLE ESKdale
COUNTY Kanawha

API# 47-039-4255
OPERATOR Atw Energy
TELEPHONE _____
FARM Ohley Trust
WELL # Ohley#53

SURFACE OWNER Ohley Trust COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____

DATE STARTED _____
LOCATION 10-29-85 NOTIFIED _____ DRILLING COMMENCED 10-31-85

WATER DEPTHS _____, _____, _____, _____
COAL DEPTHS _____, _____, _____, _____

CASING

Ran 835 feet of 9 5/8 "pipe on 11-7-85 with 300SKS fill up
Ran 2148 feet of 7 "pipe on 11-4-85 with 175SKS fill up
Ran 4922 feet of 4 1/2 "pipe on 11-7-85 with 250SKS fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
TD 5027' feet on 11-7-85

PLUGGING

MAY 27 1986

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____

Field analysis ph _____ fe _____ cl _____

Well Record received _____

Date Released 5-20-86

Charles W. Hively 12/08/2023
Inspector's signature

API# 47039-4255

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1	10-29-85		Inspection	Building location
2	10-31-85		"	moving Rig on location
3	11-1-85		"	235' + soaping hole
4	11-4-85		"	set 7" casing
5	11-6-85		"	4097' + Dusting
6	11-7-85		"	T.D. hole + Run 4 1/2" casing
7	11-14-85		"	service Rig doing well swap
8	1-15-86		"	well hooked up + not Reclaimed
9	3-19-86		"	working on Reclamation
10	4-11-86		"	location Reclaimed + seeded
11	5-20-86		"	Released
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
JAN 3 1986

47-039-4255 -

API well number:
(If not assigned, leave blank. 14 digits.)

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

103
Section of NGPA

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
Category Code

Depth of the deepest completion location:
(Only needed if sections 103 or 107 in 2.0 above.)

_____ feet

Name, address and code number of applicant:
(35 letters per line maximum. If code number not available, leave blank.)

Allegheny & Western Energy Corporation
Name _____ Seller Code _____

P. O. Box 2587

Street _____ City _____ State WV Zip Code 25329

Location of this well: (Complete (a) or (b).)

Cabin Creek District

(a) For onshore wells
(35 letters maximum for field name.)

Field Name Kanawha State WV
County _____

(b) For OCS wells:

Area Name _____ Block Number _____

Date of Lease:

Mo. Day Yr.

DCS Lease Number _____

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

Ohley 53

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

(a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)

Mountaineer Gas Company
Name _____ Buyer Code _____

(b) Date of the contract:

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 lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU _____	_____	_____	_____

9.0 Person responsible for this application:

Dennis L. Mann

Name Dennis L. Mann Title _____

Signature 12/9/85

Phone Number 304-343-4327

Agency Use Only
Date Received by Juris. Agency
JAN - 3 1986

12/08/2023

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

2913-74

JAN 30 1986

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 12/5, 1985 1100

Applicant's Name: Allegheny & Western Energy Corp.

Address: P. O. Box 2587

Charleston, West Virginia 25329

Gas Purchaser Contract No. KAN-1

Date of Contract 6-21-84
(Month, day and year)

First Purchaser: Mountaineer Gas Company **P640**

Address: P. O. Box 3152,

(Street or P.O. Box)

Charleston, WV

(City) (State) (Zip Code)

FERC Seller Code _____

AGENCY USE ONLY

WELL DETERMINATION FILE NUMBER

860103-1030-039-4255

Use Above File Number on all
Communications Relating to This Well

Designated Agent: Dennis L. Mann

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: Dennis L. Mann (Print) _____ (Title)

Signature: Dennis L. Mann _____

Address: P. O. Box 2587
(Street or P.O. Box)

Charleston WV 25329

(City) (State) (Zip Code)

Telephone: _____
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

02 New Natural Gas

- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 302-4 New Onshore Reservoir

108 Stripper Well Natural Gas

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

03 New Onshore Production Well

- 103 New Onshore Production Well

07 High Cost Natural Gas

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

AGENCY USE ONLY

QUALIFIED

12/08/2023

RECEIVED
JAN 3 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received _____

Determination Date _____

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

Date 12/9, 1985

Operator's Well No. Ohley 53

API Well No. 47 - 039 - 4355
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT Dennis L. Mann
ADDRESS P.O. Box 2587
Charleston, WV 25329

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

LOCATION: Elevation 1299
Watershed Cabin CREEK
Dist. Cabin Crk County Kanawha Quad. ESKDALE

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

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

Date surface drilling was begun: 10/31/85

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 = $(590 + 15) + \text{Specific Gravity} \times \text{Depth}$
BHP = $(605 + 57)$
BHP = 656

AFFIDAVIT

I, Dennis L. Mann, 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.

STATE OF WEST VIRGINIA,

COUNTY OF Kanawha, TO WIT:

1, Deborah J. Kuhl Audeier Notary Public in and for the state and county aforesaid.

do certify that: Dennis L. Mann, whose name is signed to the writing above, bearing date the 9 day of December, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 9 day of December, 1985.

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

Deborah J. Kuhl Audeier
Notary Public

[NOTARIAL SEAL]

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

RECEIVED
 JAN 3 1986
 DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

47 - 039 - 4255 -

API well number:
 (If not assigned, leave blank. 14 digits.)

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

107
 Section of NGPA

3
 Category Code

Depth of the deepest completion location:
 (Only needed if sections 103 or 107 in 2.0 above.)

_____ feet

Name, address and code number of applicant:
 (35 letters per line maximum. If code number not available, leave blank.)

Allegheny & Western Energy Corporation

Seller Code

P. O. Box 2587

Street

Charleston

WV
 State

25320

Zip Code

City

Location of this well: (Complete (a) or (b).)

Cabin Creek District

(a) For onshore wells
 (35 letters maximum for field name.)

Field Name

Lanawha

WV
 State

County

(b) For DCS wells:

Area Name

Block Number

Date of Lease:

Mo. Day Yr.

DCS Lease Number

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

Onley 53

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

(a) Name and code number of the purchaser:
 (35 letters and digits maximum. If code number not available, leave blank.)

Mountaineer Gas Company

Buyer Code

(b) Date of the contract:

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)
2.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	-----	-----	-----
3.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	-----	-----	-----

3.0 Person responsible for this application:

Dennis L. Mann

Name

Title

Dennis L. Mann

Signature

304-343-4327

12/9/85

Agency Use Only

Date Received by Jurisdiction Agency
 JAN 3 1986

12/08/2023

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

2913-74

JAN 30 1986

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 12/5, 1985 1100

Applicant's Name: Allegheny & Western Energy Corp.

Address: P. O. Box 2587
Charleston, West Virginia 25329

Gas Purchaser Contract No. KAN-1

Date of Contract 6-21-84
(Month, day and year)

First Purchaser: Mountaineer Gas Company P640

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

FERC Seller Code _____

AGENCY USE ONLY

WELL DETERMINATION FILE NUMBER

860103-1073-039-4255

Use Above File Number on all
Communications Relating to This Well

Designated Agent: Dennis L. Mann

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: Dennis L. Mann (Print) _____ (Title)

Signature: Dennis L. Mann

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

Telephone: _____
(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

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

- 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 Geopressed 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

12/08/2023

RECEIVED
JAN 3 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received _____

Determination Date _____

DEVONIAN SHALE GAMMA RAY LOG ANALYSIS
APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT

Operator: Allegheny and Western Energy Corp. Agent: Dennis L. Mann

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-039-4355 Well Name: OHLEY #53

West Virginia Office of Oil and Gas County: Kanawha

References: SJA File No.

Vol. Page Line

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray elevation indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line = 140 * API Units

2. Remarks:

Gamma Ray Scale = 0 → 200 API Units

B. Gamma Ray Log Value at 0.7 x Value at Base Line

1. GR Value = 140 * API Units

2. Calculation: $\frac{0.7 \text{ (GR Value at Base Line)}}{0.7 \text{ (} \underline{140} \text{ *)} = \underline{98} API Units$

III. Intervals with GR index less than 0.7 x (Value at Base Line):

Interval		Thickness of Interval Feet	Feet of less than* 0.7 (Shale Base Line) Feet
From**	To***		
2830'	5012'		

Total Devonian Interval 2182'

Total Less Than 0.7 (Shale Base) 12'

Less Than 0.7 (Shale Base Line) = $\frac{0.0056}{0.0056} \times 100 = \underline{0.56\%} 12/08/2023$

*Marked on log included with analysis.
 **Top of Devonian Section Recorded on First Interval in this Column.
 ***Lesser of TD or Bottom of Devonian Section Recorded as last Interval in this Column.

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. Onley 53

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE

API Well No. 47 - 039 - 4255
State County Permit

NGPA Section 107

DESIGNATED AGENT Dennis L. Mann

ADDRESS P. O. Box 2587

Charleston, West Virginia 25329

LOCATION Elevation 1299

WELL OPERATOR Allegheny & Western Energy Watershed Cabin Creek

ADDRESS P.O. Box 2587 Dist. Cabin Crk County Kan. Quad. ESDALE

Charleston, WV 25329 Gas Purchase Contract No. KAN-1

GAS PURCHASER Mountaineer Gas Company Meter Chart Code NIA

ADDRESS 414 Summers Street Date of Contract 6-21-85

Charleston, West Virginia

Date surface drilling began: 10/31/85

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

BHP = Absolute static pressure plus pressure from gas column
BHP = (590 + 15) + (Specific Gravity X Depth)
BHP = (605.57)
BHP = 656

AFFIDAVIT

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

STATE OF WEST VIRGINIA

Dennis L. Mann

COUNTY OF Kanawha, TO-WIT:

I, Deborah J. Kuhl Auxier, a Notary Public in and for the state and county aforesaid, do certify that Dennis L. Mann, whose name is signed to the writing above, bearing date the 9 day of December, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 9 day of December, 1985.

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

Deborah J. Kuhl Auxier
Notary Public

(NOTARIAL SEAL)

MU 10-15-85

4100'

COAL COORDINATES

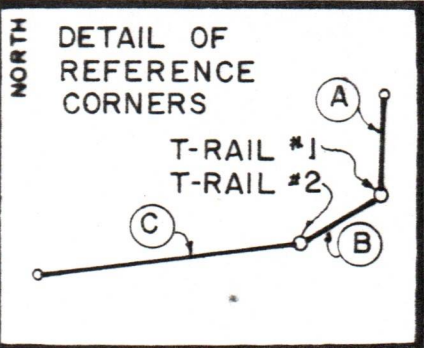
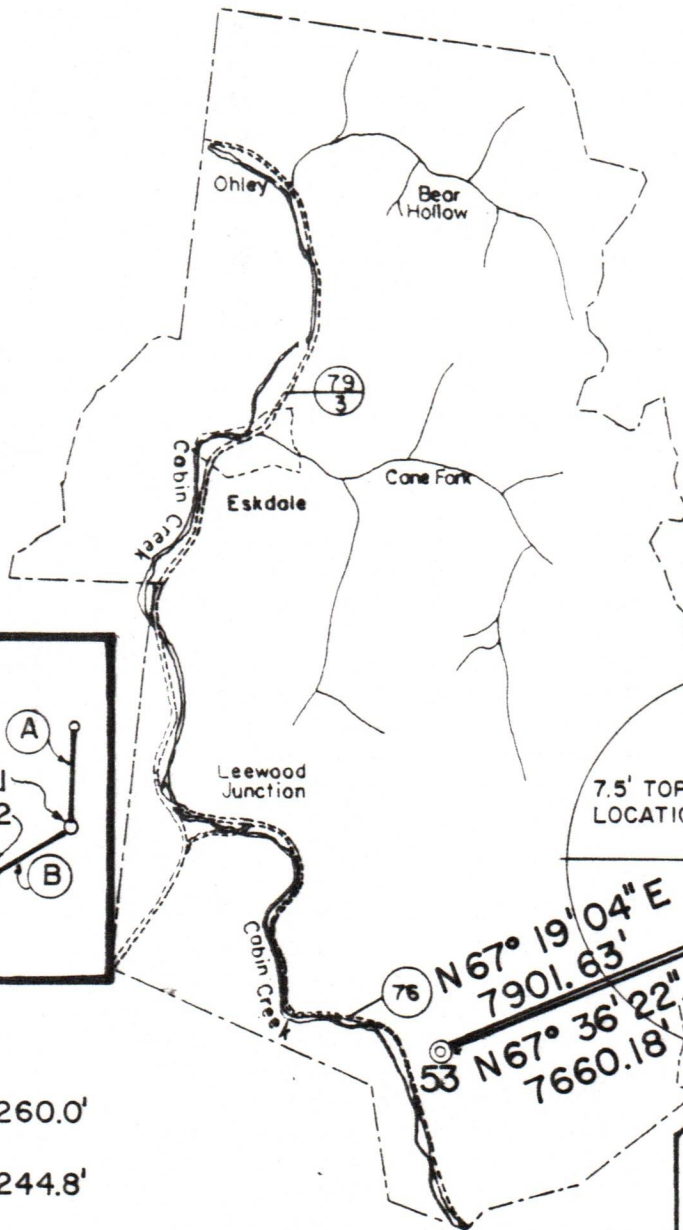
N 8,165.36

E 17,215.88

LATITUDE 38° 05' 00"

LONGITUDE 81° 25' 00"

10,325'



- (A) S 03° 00' W 260.0'
- (B) S 58° 15' W 244.8'
- (C) S 82° 44' W 684.5'

76 N67° 19' 04" E 7901.63'
 53 N67° 36' 22" E 7660.18'

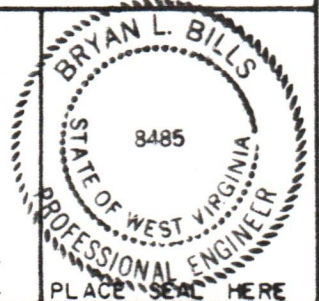
10" R.O. N 50° 35' W 99.12'
 Ohley 53 S 66° 45' E 106.23'
 8" R.O.

REFERENCE POINTS

FILE NO. 100002-01
 DRAWING NO. _____
 SCALE 1" = 4000'
 MINIMUM DEGREE OF ACCURACY 1 in 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) Bryan L. Bills
 R. P. E. 8485 L. L. S. _____



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

FORM IV-6
 (8-78)



Department of Mines
 Oil & Gas Division

DATE OCT 1 19 85
 OPERATOR'S WELL NO. 53
 API WELL NO. 47-039-4255
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1299 WATER SHED CABIN CREEK
 DISTRICT CABIN CREEK COUNTY KANAWHA
 QUADRANGLE ESKDALE 7.5

12/08/2023

SURFACE OWNER OHLEY LAND CO. ACREAGE 5438
 OIL & GAS ROYALTY OWNER OHLEY COAL CO. LEASE ACREAGE 5438
 LEASE NO. _____

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 P.O. BOX 2587 ADDRESS SAME
CHARLESTON, WV 25329