



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, July 14, 2025
WELL WORK PLUGGING PERMIT
Not Available Plugging

UNKNOWN - DEP PAID PLUGGING CONTRACT
601 57TH STREET

CHARLESTON, WV 25304

Re: Permit approval for 90153
47-029-00146-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number:
Farm Name: PATTERSON, THEODORE DE
U.S. WELL NUMBER: 47-029-00146-00-00
Not Available Plugging
Date Issued: 7/14/2025

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
2. Well work activities shall not constitute a hazard to the safety of persons.
3. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing.

1) Date 03/24, 2025
2) Operator's
Well No. Unknown DEP Plugging Contract 90153
3) API Well No. 47-029 - 00146

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ☒ / Gas ☒ / Liquid injection ____ / Waste disposal ____ /
(If "Gas, Production ____ or Underground storage ____) Deep ____ / Shallow ☒

5) Location: Elevation 1278 Watershed 05030101
District Clay County Hancock Quadrangle East Liverpool South

6) Well Operator Unknown DEP Paid Plugging Contract 7) Designated Agent Jason Harmon
Address 601 57th Street Address 601 57th Street
Charleston, WV 25304 Charleston, WV 25304

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Strader Gower Name North Wind Response and Reclamation
Address 601 57th Street Address 1425 Higham Street
Charleston, WV 25304 Idaho Falls, ID 83402

10) Work Order: The work order for the manner of plugging this well is as follows:

See Attached

RECEIVED
Office of Oil and Gas
JUN 18 2025
WV Department of
Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector STRADER GOWER Date 6/25/2025

07/18/2025

Plugging Procedure

47-029-00146

Well # 90153

Farm Name: Theodore Patterson

Elevation: 1278'

Quad: East Liverpool South

District: Clay

County: Hancock

Casing Schedule: Visible rods, 2 3/8", 6 5/8", and 8" at surface. Depths unknown.

Offset 47-029-00102

20' of conductor

300' of 9 5/8" CTS

1100' of 7" Cemented from 1100' to 800'

Elevation @ 1240'

Salt Water @ 700'

FW @ 200'

Coal @ 360'

TD @ 1364'

Notes:

- Class A or Class L Cement is to be used for all cement plugs.
- Attempt to pull all free casing. If casing is unable to be pulled, perforate at all gas, oil, coal, and water shows.
- 6% gel spacers between all plugs

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

Plugging Procedure

- 1) Notify WV State Inspector Strader Gower 48 hours prior to commencing plugging operations.
- 2) MIRU. TOOH with rods and tubing.
- 3) RIH with wireline, record bottom of casing and TD.
- 4) TIH with tubing to approx 1364'. Pump 20 bbls of gel. Set a 200' Class A/Class L Cement plug from approx 1364' to 1164' (bottom hole/elevation). TOOH with tubing. WOC. Tag TOF, top off with cement as needed.
- 5) TIH with tubing to approx 1150'. Pump 5 bbls of gel. Set 100' plug from 1150' to 1050', covering the 6 5/8" casing seat. TOOH with tubing. WOC. Tag TOC, top off with cement as needed.

Strader Gower
STRADER GOWER
6/25/2025

07/18/2025

- 6) Attempt to locate free-point 6 5/8" casing. Cut and pull casing. Cover casing cut with 100' cement plug 50' and 50' out of cut. If casing is unable to be pulled, perforate casing in all fresh water, oil, gas, water shows.
- 7) TIH with tubing to 750'. Set 100' cement plug from 750' to 650' (salt water).
- 8) TOOH with tubing to 410'. Set 100' cement plug from 410' to 310', covering coal show.
- 9) TOOH with tubing to approx. 250'. Circulate cement to surface. TOOH with tubing.
- 10) Top off well, set monument, RDMO. Reclaim to WV DEP specs.

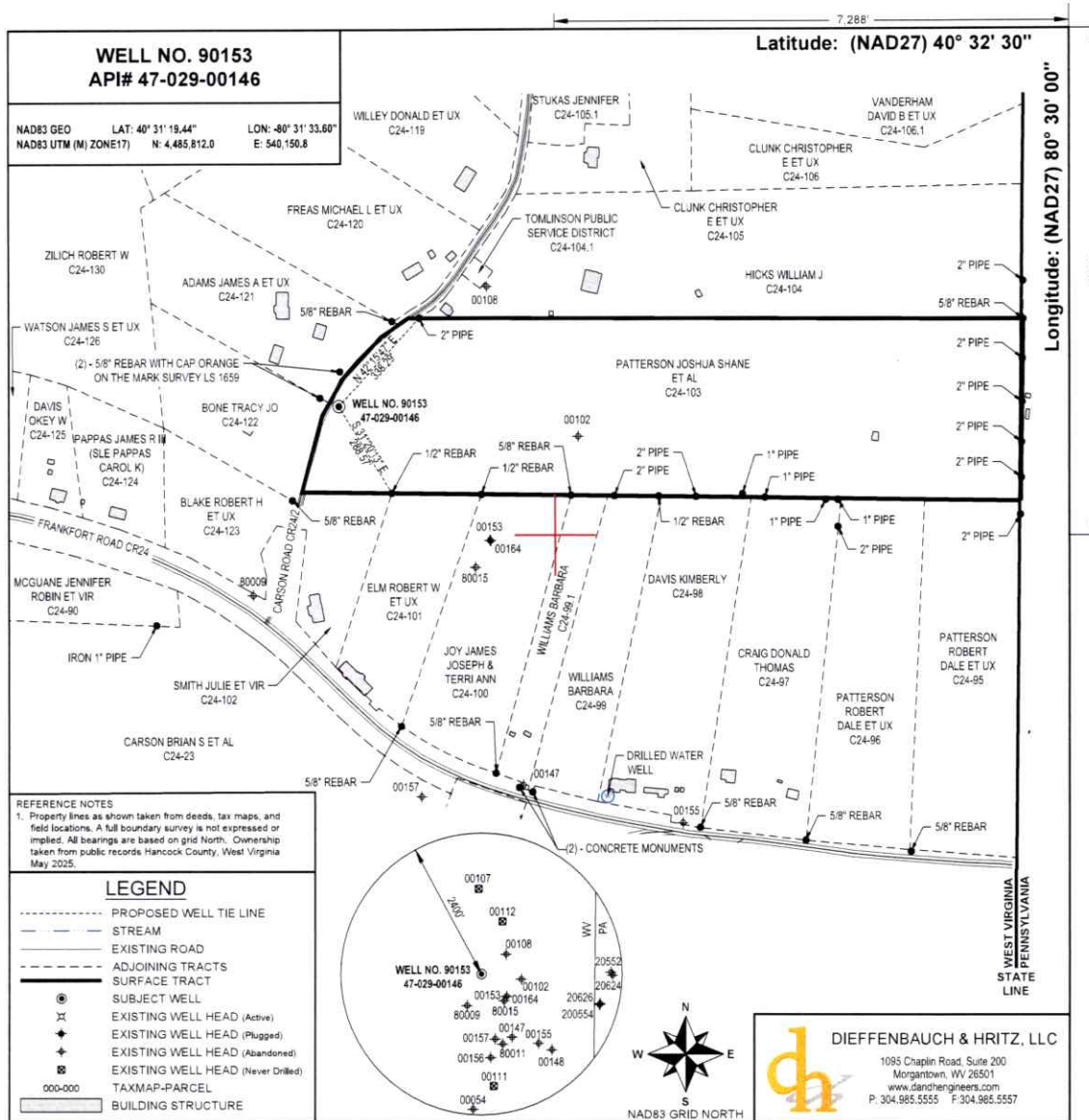
John C. Strader
STRADER CONFR
6/23/2025.

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

07/18/2025



FILE#: 25195-001
SHEET#: 1 of 1
SCALE: 1" = 400'
TICK SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: NGS OPUS (ONLINE POSITIONING USER SERVICE)

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 ENVIRONMENTAL PROTECTION.

Signed: *Jason H. Littler*
P.S. #2139 Jason H. Littler, P.S.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



DATE: MAY 29, 2025
OPERATOR'S WELL #: 90153
API WELL #: 47 029 00146
STATE COUNTY PERMIT

Well Type: ☒ Oil ☐ Waste Disposal ☐ Production ☐ Deep
☒ Gas ☐ Liquid Injection ☐ Storage ☒ Shallow
WATERSHED: KINGS CREEK
COUNTY / DISTRICT: HANCOCK COUNTY / CLAY DISTRICT
SURFACE OWNER: JOSHUA SHANE PATTERSON ET AL
OIL & GAS ROYALTY OWNER: N/A

ELEVATION: 1270'
QUADRANGLE: EAST LIVERPOOL SOUTH
ACREAGE: 22.518
ACREAGE: N/A

☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE
☐ PLUG OFF FORMATION ☐ PERFORATE NEW FORMATION ☒ PLUG & ABANDON
☐ CLEAN OUT & REPLUG ☐ OTHER CHANGE SPECIFY: _____
TARGET FORMATION: UNKNOWN ESTIMATED DEPTH: UNKNOWN

WELL OPERATOR: UNKNOWN WVDEP PAID PLUGGING CONTRACT
ADDRESS: 601 57TH STREET
CITY: CHARLESTON STATE: WV ZIP: 25304 (WVDEP)
DESIGNATED AGENT: JASON HARMON, WVDEP
ADDRESS: 601 57TH STREET
CITY: CHARLESTON STATE: WV ZIP: 25304

RECEIVED
Office of Oil and Gas
JUN 18 2025
WV Department of Environmental Protection

07/18/2025

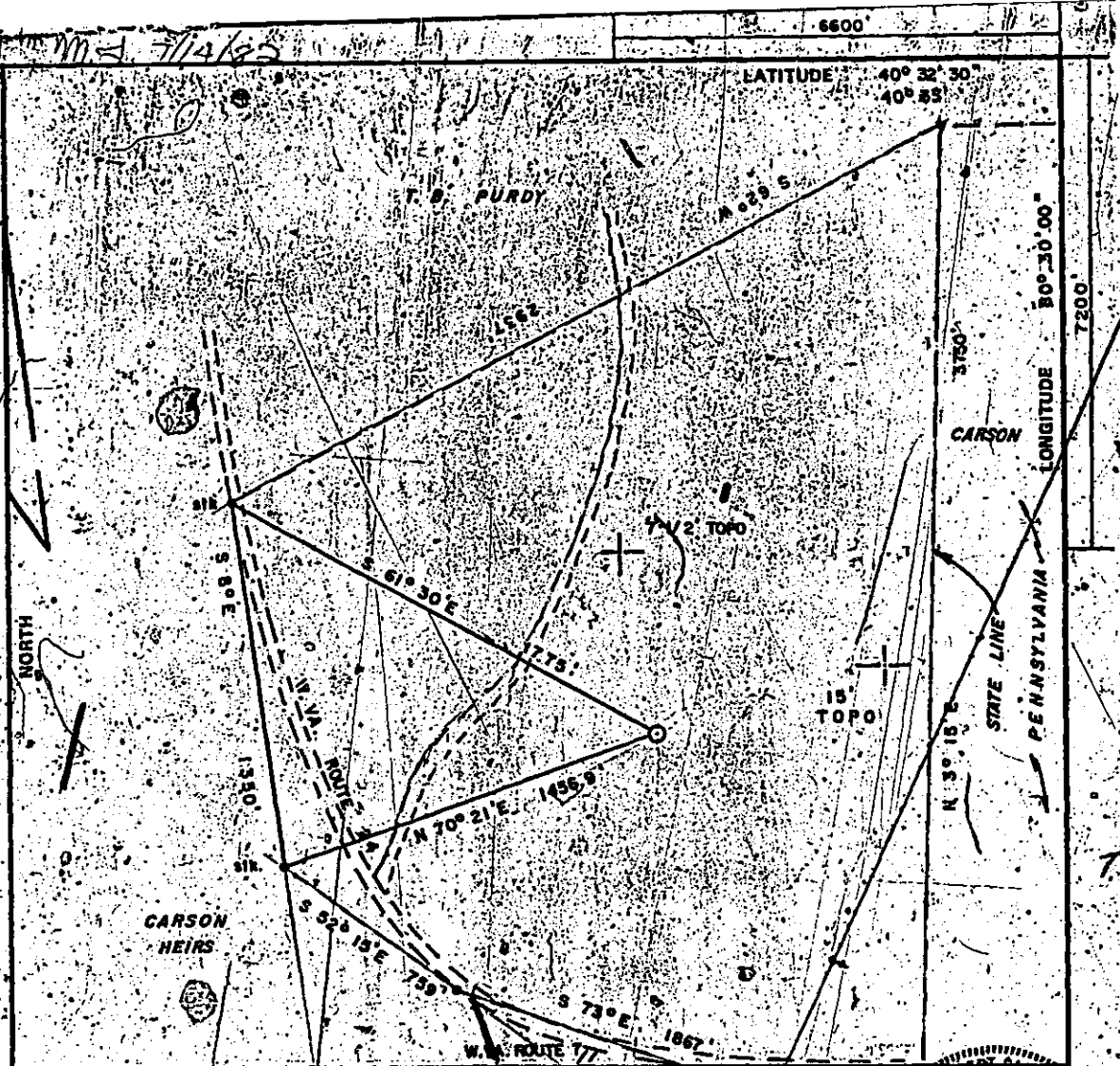
Hancock-102

RECEIVED
Office of Oil and Gas

JUN 18 2025

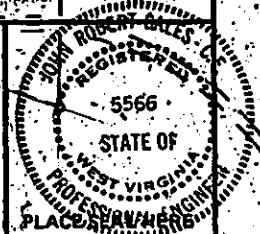
WV Department of
Environmental Protection

07/18/2025



FILE NO. 79-399-P.H.
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF
 ACCURACY 1/200
 PROVEN SOURCE OF
 ELEVATION STATE LINE MON. EL. 1273
 1800' S.E. of SITE

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 REGU-
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
 MENT OF MINES.
 (SIGNED) *John Robert Gales*
 P.E. 5566 L.L.S.



(+) DENOTES LOCATION OF
 WELL ON UNITED STATES
 TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE 7-1-82
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-029-0102
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL ☐
 (IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1240 WATER SHED OHIO RIVER
 DISTRICT CLAY COUNTY HANCOCK
 QUADRANGLE EAST LIVERPOOL SOUTH
 SURFACE OWNER J.A. CARSON & S.H. CARSON Heirs ACREAGE 138
 OIL & GAS ROYALTY OWNER J.A. Carson & S.H. Carson Heirs LEASE ACREAGE 138
 LEASE NO. 359
 PROPOSED WORK: DRILL ☒ CONVERT ☐ DRILL DEEPER ☐ REGRILL ☐ FRACTURE OR
 STIMULATE ☐ PLUG OFF OLD FORMATION ☐ PERFORATE NEW
 FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG ☐
 TARGET FORMATION Gordon ESTIMATED DEPTH 1650'
 WELL OPERATOR PATRICK G. HOSLER DESIGNATED AGENT PATRICK G. HOSLER
 ADDRESS BOX 191 ADDRESS BOX 191
 NEW CUMBERLAND, W.VA. 26047 NEW CUMBERLAND, W.VA. 26047

RECEIVED

RECEIVED

APR 20 1983

FEB 17 1984



& GAS DIVISION

DEPT. OF MINES

IV-35

(Rev 8-81)

RECEIVED

JUN 13 1984

OIL & GAS DIVISION

DEPT. OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia

Department of Mines

Oil and Gas Division

Date 3/14/83

Operator's

Well No. 1

Farm Carson Heirs

API No. 47-029-0102

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: 1240 Watershed Ohio River
District: Clay County Hancock Quadrangle East Liverpool South

COMPANY Patrick G. Hosler

ADDRESS Box 191, New Cumberland, W. Va.

DESIGNATED AGENT Same as above

ADDRESS

SURFACE OWNER J.A. & S.H. Carson Heirs

ADDRESS R.D. #3, Box 157, New Cumberland

MINERAL RIGHTS OWNER Same as above

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Robert

Lowther General Delivery

ADDRESS Middlebourne, W. Va. 26149

PERMIT ISSUED 7/9/82

DRILLING COMMENCED 7/23/82

DRILLING COMPLETED 7/31/82

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. 4	20	20	
13-10"			
9 5/8	300'	300'	To Surface
8 5/8			
7	1100	1100	800' to 1100'
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 1300 feet

Depth of completed well 1300 feet Rotary ☒ / Cable Tools

Water static Depth: Fresh 200 feet; Salt 700 feet

Coal seam depths: 360 - Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Berea

Pay zone depth 1310 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 4 Bbl/d

Final open flow 0 Mcf/d Final open flow 5 Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 0 psig (surface measurement) after 0 hours shut in

(If applicable due to multiple completion--)

Second producing formation Pay zone depth feet

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

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

Time of open flow between initial and final tests 2 hours

Static rock pressure psig (surface measurement) after 2 hours shut in

(Continue on reverse side)

RECEIVED
Office of Oil and Gas

JUN 18 2025

West Virginia Department of
Environmental Protection

HANCOCK 102

07/18/2025

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

1310 TO 1330 SHOT WITH JUDY WITE

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all, fresh and salt water, coal, oil and gas
Sand Broken			0	25	
Clay Gray			25	42	
Red Rock			42	48	
Slate Gray			48	60	
Pink Rock			60	80	
Slate Gray			80	118	
Red Rock			118	145	
Slate Gray			145	170	
Sand			170	178	
Red Rock			178	195	
Slate Gray			195	236	
			236	237	Coal
Slate Black			238	238	
Slate Gray Dark			238	241	
Slate Black			241	278	
Slate Gray			278	288	
Pink Rock			288	385	
Slate Gray			385	395	
Sand Salt			395	442	
Slate Gray Dark			442	498	
			498	499	Coal
Clay			499	524	
Slate Gray			524	534	
Slate Black			534	548	
Clay			548	553	
Clay			553	570	
Slate Gray			570	590	
Sand Black			590	618	
Slate Gray			618	715	
Sand Broken			715	755	
Slate Gray			755	815	
Sand			815	853	
Slate Dark Gray			853	902	
Sand			902	959	
Slate Gritty Gray			959	1250	
Slate Black			1250	1270	
Slate Gray Gritty			1270	1290	
Sand			1290	1329	
Slate Gray			1329	1361	
Slate Gray			1361	1364	

(Attach separate sheets as necessary)

INDIAN FORMATION

BEREA FORMATION

CHALLENGE PETROLEUM INC

Well Operator

By: *[Signature]*

Date: 3/14/83

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 sand, encountered in the drilling of a well."

RECEIVED
Office of Oil and Gas

JUN 18 2025

U.S. Department of
Environmental Protection

07/18/2025

WW-4A
Revised 6-07

1) Date: 03/24/2025
2) Operator's Well Number
Unknown DEP paid Plugging Contract 90153
3) API Well No.: 47 - 029 - 00146

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served: (a) Name <u>Theodore Dean Patterson, ET ALS</u> Address <u>P.O. Box 775</u> <u>New Cumberland, WV 26407</u> (b) Name _____ Address _____ (c) Name _____ Address _____	5) (a) Coal Operator Name _____ Address _____ (b) Coal Owner(s) with Declaration Name _____ Address _____ (c) Coal Lessee with Declaration Name _____ Address _____
6) Inspector Address <u>STRADER GOWER</u> <u>2525 W. Alexander Rd</u> <u>Valley Grove WV, 26060</u> Telephone <u>(304) 993-6188</u>	

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat 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 Chief.



Well Operator Unknown-DEP Paid Plugging
By: Jason Harman
Its: _____
Address _____
Telephone _____

RECEIVED
Office of Oil and Gas
JUN 18 2025
WV Department of
Environmental Protection

Subscribed and sworn before me this 7th day of July 2025
Zach Johnson Notary Public
My Commission Expires 2-15-28

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

07/18/2025

9589 0710 5270 2905 6744 82

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

New Cumberland, WV 26047

Certified Mail Fee	\$4.85	0277 67 Postmark Here 07/08/2025
Extra Services & Fees (check box, add fee as appropriate)	\$4.10	
☐ Return Receipt (hardcopy)	\$0.00	
☐ Return Receipt (electronic)	\$0.00	
☐ Certified Mail Restricted Delivery	\$0.00	
☐ Adult Signature Required	\$0.00	
☐ Adult Signature Restricted Delivery	\$0.00	
Postage	\$1.01	
Total Postage and Fees	\$9.96	

Sent To
Theodore Dean Patterson
Street and Apt. No., or PO Box No.
PO Box 775
City, State, ZIP+4®
New Cumberland, WV 26047

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

API: 47-029-00146

07/18/2025

WW-9
(5/16)

API Number 47 - 029 - 00146
Operator's Well No. Unknown DEP Paid Plugging Contract

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Unknown DEP Paid Plugging Contract OP Code _____

Watershed (HUC 10) 05030101 Quadrangle East Liverpool South

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ☐ No ☒

Will a pit be used? Yes ☐ No ☒

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes ☐ No ☐ If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- ____ Land Application (if selected provide a completed form WW-9-GPP)
____ Underground Injection (UIC Permit Number _____)
____ Reuse (at API Number _____)
____ Off Site Disposal (Supply form WW-9 for disposal location)
____ Other (Explain _____)

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Allison Walker

Company Official (Typed Name) Allison Walker

Company Official Title President

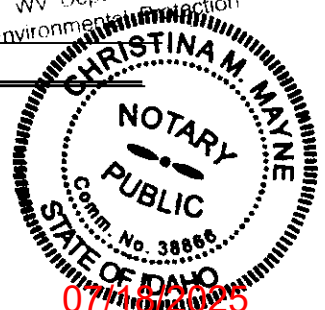
Subscribed and sworn before me this 17 day of June, 2025

Christina M. Mayne Notary Public

My commission expires 2/16/2028

JUN 18 2025

WV Department of
Environmental Protection



Proposed Revegetation Treatment: Acres Disturbed 0.12 Prevegetation pH _____Lime 2-3 Tons/acre or to correct to pH _____Fertilizer type 10-10-20 or SimilarFertilizer amount 500 lbs/acreMulch Hay 2 Tons/acre**Seed Mixtures****Temporary****Permanent**

Seed Type lbs/acre

Seed Type lbs/acre

Tall Fescue 50

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: STRADER COWPER 

Comments: _____

RECEIVED
Office of Oil and Gas

JUN 18 2025

Title: Oil & Gas InspectorDate: 6/25/2025WV Department of
Environmental ProtectionField Reviewed? (X) Yes () No

07/18/2025



7/7/2025

Strader Gower
WV Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, WV 25304

SUBJECT: Class L Cement Waiver

Dear Mr. Gower:

North Wind Response and Reclamation is providing this letter to inform you that Class L Cement will be used in all plugging operations under Agency Purchase Order DEP2500000304 with the Department of Environmental Protection Office of Oil and Gas, for the following API numbers:

47-029-00144
47-029-00145
47-029-00146
47-029-00147
47-029-00148
47-029-00149
47-029-00151
47-029-00152
47-029-00153
47-029-00154
47-029-00155
47-029-00156
47-029-00157
47-029-00158
47-029-00159
47-029-00160
47-029-00161
47-029-00162
47-029-00163
47-029-00164
47-029-00165

Please feel free to reach out to me if you have any questions or concerns, at greg.hunt@northwindgrp.com or 541-944-5472.

Sincerely,

07/18/2025



Greg Hunt



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 926-0450

Harold D. Ward, Cabinet Secretary
dep.wv.gov

**BEFORE THE OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA**

IN THE MATTER OF A VARIANCE FROM	)	
LEGISLATIVE RULE 35CSR4	)	ORDER NO. 2022-13
SECTION 14.1. AND LEGISLATIVE RULE	)	
35CSR8 SECTION 20.1,	)	
RELATING TO THE CEMENTING	)	
OF OIL AND GAS WELLS	)	

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

FINDINGS OF FACT

1. On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
2. Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OF THE STATE OF WEST VIRGINIA



James Martin, Chief
Office of Oil and Gas

07/18/2025

WELL NO. 90153 API# 47-029-00146		Latitude: (NAD27) 40° 32' 30"	
NAD83 GEO LAT: 40° 31' 19.44" NAD83 UTM (M) ZONE17)	LON: -80° 31' 33.60" E: 540,150.8		
REFERENCE NOTES 1. Property lines as shown taken from deeds, tax maps, and field locations. A full boundary survey is not expressed or implied. All bearings are based on grid North. Ownership taken from public records Hancock County, West Virginia May 2025. LEGEND - PROPOSED WELL TIE LINE - STREAM - EXISTING ROAD - ADJOINING TRACTS - SURFACE TRACT - SUBJECT WELL - EXISTING WELL HEAD (Active) - EXISTING WELL HEAD (Plugged) - EXISTING WELL HEAD (Abandoned) - EXISTING WELL HEAD (Never Drilled) - TAXMAP-PARCEL - BUILDING STRUCTURE FILE#: 25195-001 SHEET#: 1 of 1 SCALE: 1" = 400' TICK SCALE: 1" = 2000' MINIMUM DEGREE OF ACCURACY: 1/2500 PROVEN SOURCE OF ELEVATION: NGS OPUS (ONLINE POSITIONING USER SERVICE) 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 ENVIRONMENTAL PROTECTION. Signed: Jason H. Littler, P.S. P.S. #2139 DATE: MAY 29, 2025 OPERATOR'S WELL #: 90153 API WELL #: 47 029 00146 STATE COUNTY PERMIT ELEVATION: 1270' QUADRANGLE: EAST LIVERPOOL SOUTH ACREAGE: 22.518 ACREAGE: N/A (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304 Well Type: ☒ Oil ☐ Waste Disposal ☐ Production ☐ Deep ☒ Gas ☐ Liquid Injection ☐ Storage ☒ Shallow WATERSHED: KINGS CREEK COUNTY / DISTRICT: HANCOCK COUNTY / CLAY DISTRICT SURFACE OWNER: JOSHUA SHANE PATTERSON ET AL OIL & GAS ROYALTY OWNER: N/A DESIGNATED AGENT: JASON HARMON, WVDEP ADDRESS: 601 57TH STREET CITY: CHARLESTON STATE: WV ZIP: 25304			

Date: 3/14/83

Operator's
Well No. 1API Well No. 47 - 029 - 0102
State County Permit**RECEIVED**JUN 13 1984
OIL & GAS DIVISION
DEPT. OF MINESSTATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISIONWELL OPERATOR'S REPORT
OF
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR: Patrick G. Hosler

DESIGNATED AGENT: Patrick G. Hosler

Address: Rt. #2 Box 191

Address: Rt. #2 Box 191

New Cumberland, W. Va. 26047

New Cumberland, W. VA. 26047

GEOLOGICAL TARGET FORMATION: W. Berea

Depth: 1310 feet

Perforation Interval: 1310 to 1330 feet

GUIDELINES FOR TESTING:

- 1- A minimum of gas vented or flared
- 2- A 24 hour preflow into pipelines or tanks
- 3- Uniform producing rate during the 24 hour test per test period
- 4- Measurement standards as for Form IV-36 Report of Annual Production (see Regulation 21.01)
- 5- Separate Form IV-36 for each producing formation in a multiple completion

TEST DATA

START OF TEST DATE	TIME	END OF TEST DATE	TIME	DURATION OF TEST
7-31-82	0830	8-2-82	0830	24 Hrs. Pumping
TUBING PRESSURE	CASING PRESSURE	SEPARATOR PRESSURE	SEPARATOR TEMPERATURE	
XXX	XXX	XXX	XXX	
OIL PRODUCTION DURING TEST	GAS PRODUCTION DURING TEST	WATER PRODUCTION DURING TEST & SALINITY		
4 bbls.	XXX Mcf	XXX bbls. XXX ppm		
OIL GRAVITY	PRODUCING METHOD (Flowing, pumping, gas lift, etc.)			
46	*API Pump			

GAS PRODUCTION

MEASUREMENT METHOD	FLANGE TAP ☐ PIPE TAP ☐	L-10 ☐	POSITIVE CHOKE	☐
			CRITICAL FLOW (NOVER)	☐
ORIFICE DIAMETER	PIPE DIAMETER (INSIDE DIAM.)	NOMINAL CHOKE SIZE - IN.		
DIFFERENTIAL PRESSURE RANGE	MAX. STATIC PRESSURE RANGE	PROVER & ORIFICE DIAM. - IN.		
DIFFERENTIAL	STATIC	GAS GRAVITY (AIR=1.0)	MEASURED	ESTIMATED
GAS GRAVITY (AIR=1.0)	FLOWING TEMPERATURE	GAS TEMPERATURE		
24 HOUR COEFFICIENT		24 HOUR COEFFICIENT		
		PRESSURE -		psia

TEST RESULTS

DAILY OIL	DAILY WATER	DAILY GAS	GAS-OIL RATIO
4 bbls.	XXX bbls.	XXX Mcf	XXX SCF/STB

Patrick G. Hosler

Well Operator

By:

Its: Secretary & Designated Agent

*** There is no reservoir pressure in this field as it was pressured and vacuumed for 70 + years. Therefore there is no gas production or gas drive for production. All oil is produced by drawing vacuum.

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

07/18/2025

IV-20
Obverse
1-84



RECEIVED

AUG - 7-1984

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
June 22, 1984

COMPANY Patrick G. Hoaler
P. O. Box 191
New Cumberland, West Virginia 26047

PERMIT NO 079-0102 7/82
FARM & WELL NO Carson Heirs
DIST. & COUNTY Clay/Hancock

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 Well site	☒	☐
15.03	Adequate Fresh Water Casing	☒	☐
15.02	Adequate Coal Casing	☒	☐
15.01	Adequate Production Casing	☒	☐
15.04	Adequate Cement Strength	☒	☐
15.05	Cement Type	☒	☐
23.02	Maintained Access Roads	☒	☐
25.01	Necessary Equipment to Prevent Waste	☒	☐
23.04	Reclaimed Drilling Pits	☒	☐
23.05	No Surface or Underground Pollution	☒	☐
23.07	Requirements for Production & Gathering Pipelines	☒	☐
16.01	Well Records on Site	☒	☐
16.02	Well Records Filed	☒	☐
7.05	Identification Markings	☒	☐

RECEIVED

Office of Oil and Gas

JUN 18 2025

Department of
Environmental Protection

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

SIGNED R. A. Fowles

DATE Aug 2, 1984

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. B.
Administrator-Oil & Gas Division

August 13, 1984

DATE

07/18/2025

PATRICK G. HOSLER
EROSION AND SEDIMENTATION CONTROL PLAN
OIL WELL NO. 1

138 ACRES
CLAY DISTRICT
HANCOCK COUNTY, WEST VIRGINIA

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

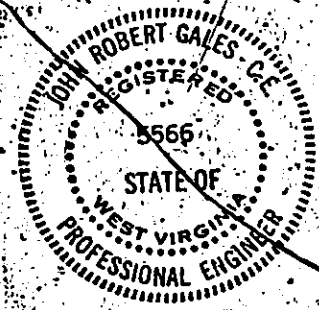
RECEIVED

JUL 09 1982

OIL & GAS DIVISION
DEPT. OF MINES

PREPARED BY

Gales & Lewis Engineering
& Land Surveying, Inc.
300 Beverly Road
Pittsburgh, PA 15216



07/18/2025

TABLE OF CONTENTS

	<u>PAGE NO.</u>
General Information	1
Narrative	2
Hydrology	3
Exhibits:	
Access Road Construction	4
Soil Stabilization	5
Roadway Drainage	6
Culvert Installation	7
Road Retirement	8
Sedimentation Pond	9
Filter Fabric Construction	10
Drainage Dip	11
Maps & Plans:	
Location Map	12
Access Road & Well Site Plan	13

RECEIVED
Office of Oil and Gas

JUN 18 2025

U.S. Department of
Environmental Protection

07/18/2025

Complete the following items to develop the general narrative for the Erosion and Sedimentation Control Plan.

GENERAL INFORMATION

1. Patrick G. Hosler
Name of Mineral Rights Owner or Lessee
2. Box 191, New Cumberland, W. VA 26047
Mailing Address of (1)
3. J. A. Carson & S. H. Carson, Heirs
Surface Owner
4. RT3 Box 157 NEW CUMBERLAND W. VA. 26047
Mailing Address of (3)
5. Patrick G. Hosler
Gas or Oil Operator (Company)
6. Box 191, New Cumberland, W. VA 26047 (304) 387-4478
Mailing Address of (5) Telephone
7. Patrick G. Hosler Operator
Responsible Official Title
8. Hancock Clay
Well Location - County District
9. Oil
Type of Well (Oil, Gas)
10. July To October
Expected Date of Site Development Site Reclamation
11. Dirt Surface - County Road
Type and Identity of Public Road
12. 16,000 Feet South east of the Town of New Manchester along State
Directions to Project Site Form Identified Public Road and Nearest Mapped Landmark

Route 24:

PROJECT DESCRIPTION

Use space below to list any special problems and the measures to resolve them.

No special problems are anticipated.

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

07/18/2025

GALES & LEWIS ENGINEERING & LAND SURVEYING, INC.

300 BEVERLY ROAD
PITTSBURGH, PA. 15216

J. Robert Gales, P.E.
William H. Lewis, R.S.

July 7, 1982

412/561-1103
412/561-1104

Patrick G. Hosler Well No. 1
File 79-399 PH

**SOIL AND EROSION SEDIMENTATION CONTROL PLAN
PATRICK G. HOSLER WELL NO. /
CLAY DISTRICT
HANCOCK COUNTY, WEST VIRGINIA**

The site is to be utilized by Patrick G. Hosler, Box 191, New Cumberland, West Virginia 26047, for the drilling of an oil well.

The drilling location will encompass an area approximately 250' x 250', or 1.5 acres. The site has a natural slope of approximately ten percent (10%). The site is wooded.

An access road will be constructed from the County Road to the well site for a length of 100 L.F. and its right of way will be 40 feet wide. The maximum grade of said roadway is eight percent (8%). The County of Hancock will be contacted to determine the required size of the culvert. The road shall be completely constructed prior to proceeding with the drilling operation.

An interceptor ditch will be constructed across the site to prohibit runoff from entering.

The only runoff that occurs will be from rain that falls on the site.

Topsoil stripped from the site shall be stockpiled at the North-end of the site.

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

GALES & LEWIS ENGINEERING & LAND SURVEYING, INC.

**300 BEVERLY ROAD
PITTSBURGH, PA. 15216**

J. Robert Gales, P.E.
William H. Lewis, R.S.

412/561-1103
412/561-1104

Patrick G. Hosler Well No. 1
File 79-399 PH

A working pit shall be constructed to collect silt created during the drilling operation. The pit shall also be used to collect silt during runoff producing rains. The site shall be graded so drainage will be toward the pit. The pit shall have a capacity of 12,500 cubic feet and provide a twenty-four inch (24") freeboard. The pit shall be cleaned after the sediment load reaches fifty percent (50%).

The sediment collected in the pit shall be collected and deposited in the area of stockpiled topsoil. This sediment shall be mulched with straw.

The site shall be restored as nearly as possible to the original grades.

Four inches (4") of topsoil shall be spread back over the disturbed area and shall be seeded and anchored with netting on banks, along swales and other areas easily eroded.

Should restoration be delayed to a period when seeding is not possible, the entire area shall be mulched with straw. The straw shall be applied at the rate of two to three (2-3) bales per 1,000 square feet. This mulch will be anchored by traversing the site with a disk set in the straight position.

It is anticipated that work will start in ~~August~~ ^{July}, 1982 and that restoration will be completed in October 1982.

RECEIVED
Office of Oil and Gas

JUN 18 2025

Environmental Protection

07/18/2025

HYDROLOGY

WELL SITE RUNOFF CALCULATIONS

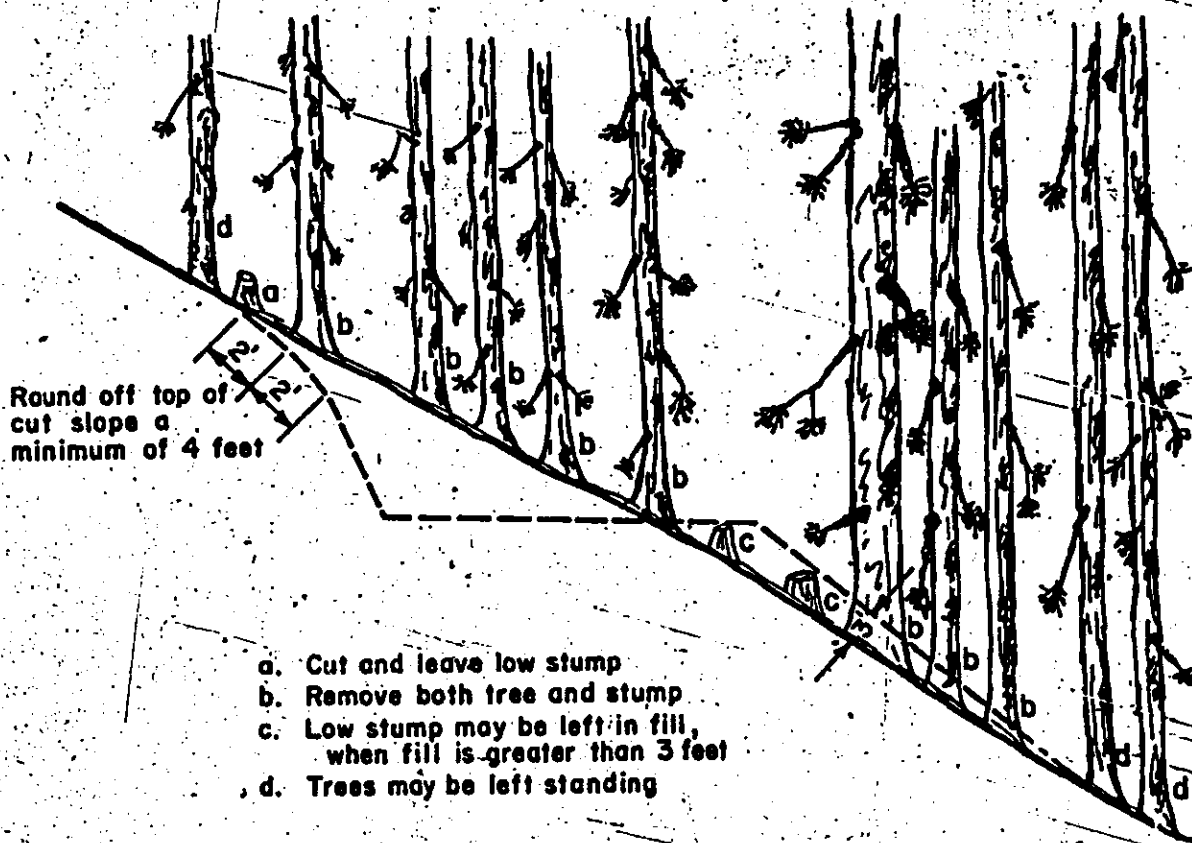
Cover: Wooded
Slope: Ten (10) Percent
Area of Watershed: 1.5 Acres
Rainfall (24 hour), 10 year Frequency = 4.0 Inches
Peak Discharge (Q) = 6.0 C.F.S.

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

ACCESS ROAD CONSTRUCTION CLEARING FOR CUT AND FILL ROAD



1. Construct road so that hauling will be on solid ground, not on fill.
2. Inslope from fill to cut shall have a fall of not less than $1/4"$ and not more than $3/8"$ per foot.
3. Drainage water shall be carried across road to fill slope by intercepting dips or culverts.

SLOPE RATIOS

Cut slopes should not be steeper than:

- (a) $1/2 : 1$ in rock
- (b) $2 : 1$ in soil

Fill slopes should not be steeper than:

- (a) $1 : 1$ when constructed with rock.
- (b) $2 : 1$ when constructed with soil.

RECEIVED
Office of Oil and Gas

JUN 18 1964

07/18/2025

SOIL STABILIZATION FILTER STRIP FOR ROADWAY

83-2-1

UNSTABILIZED

CUT SLOPE

ROAD

FILL

FILTER STRIP

STREAM

* FILTER STRIP WIDTH CHART

SLOPE OF LAND
BETWEEN ROAD
AND STREAM

PERCENT

0

10

20

30

40

50

60

70

WIDTH OF
FILTER STRIP

FEET

25

45

65

85

105

125

145

165

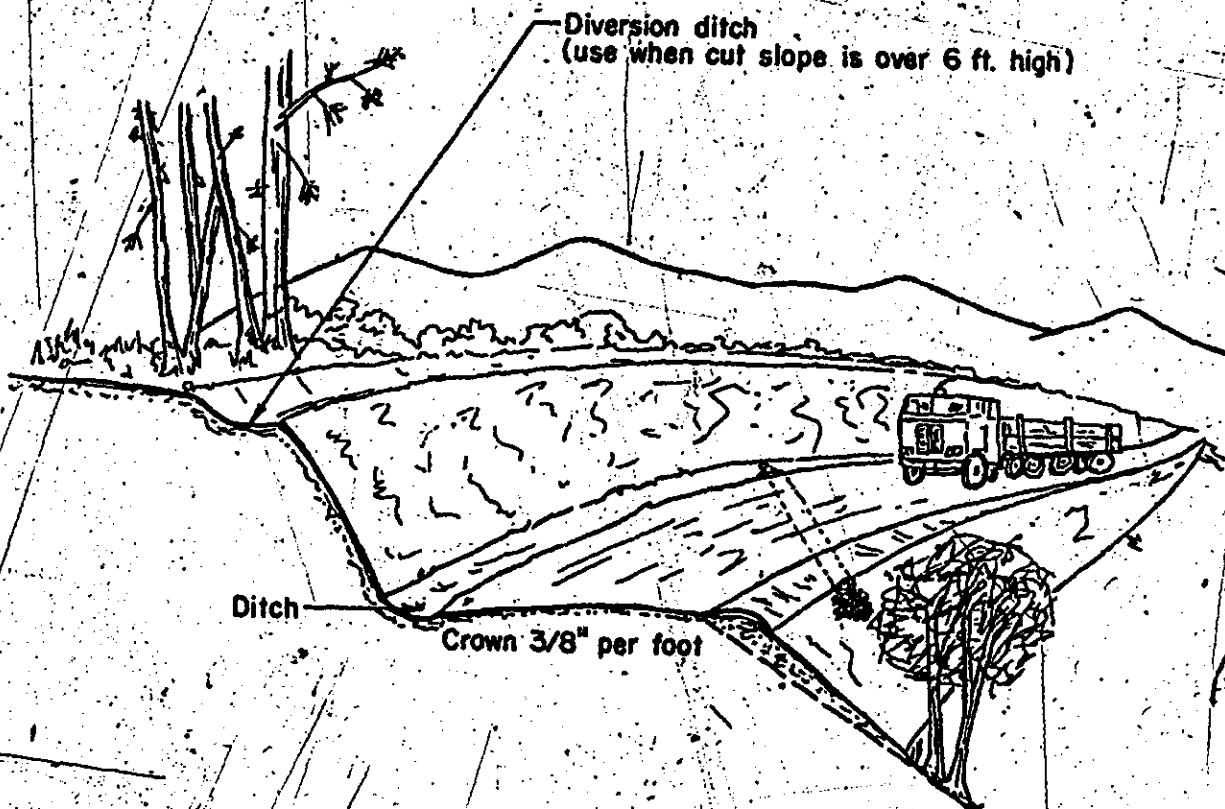
RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

07/18/2025

**ROADWAY DRAINAGE
CROWNED ROADWAY**



**ALL SLOPES SHOULD BE SEEDED AND MULCHED
AFTER CONSTRUCTION**

Exposed soil areas must be stabilized immediately after the final earthmoving has been completed or where the activity ceases for more than 20 days.

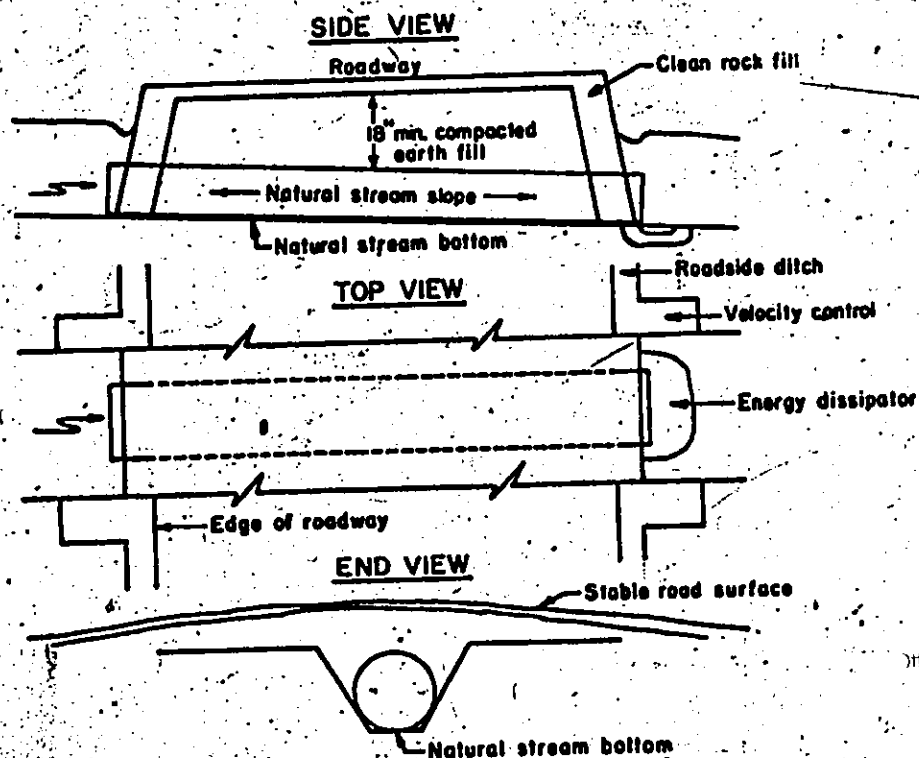
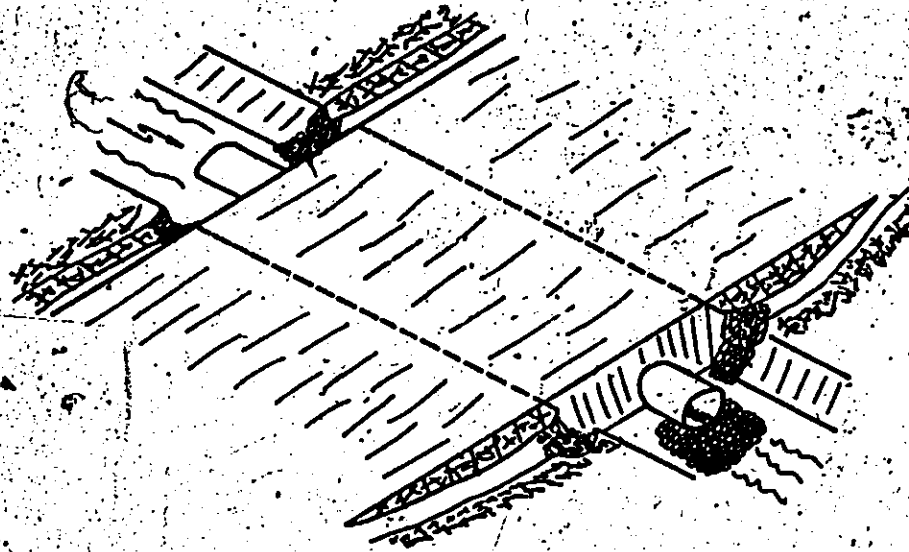
RECEIVED
Office of Oil and Gas

JUN 18 2025

Department of
Environmental Protection

07/18/2025

CULVERT-INSTALLATION EROSION AND SEDIMENTATION CONTROLS

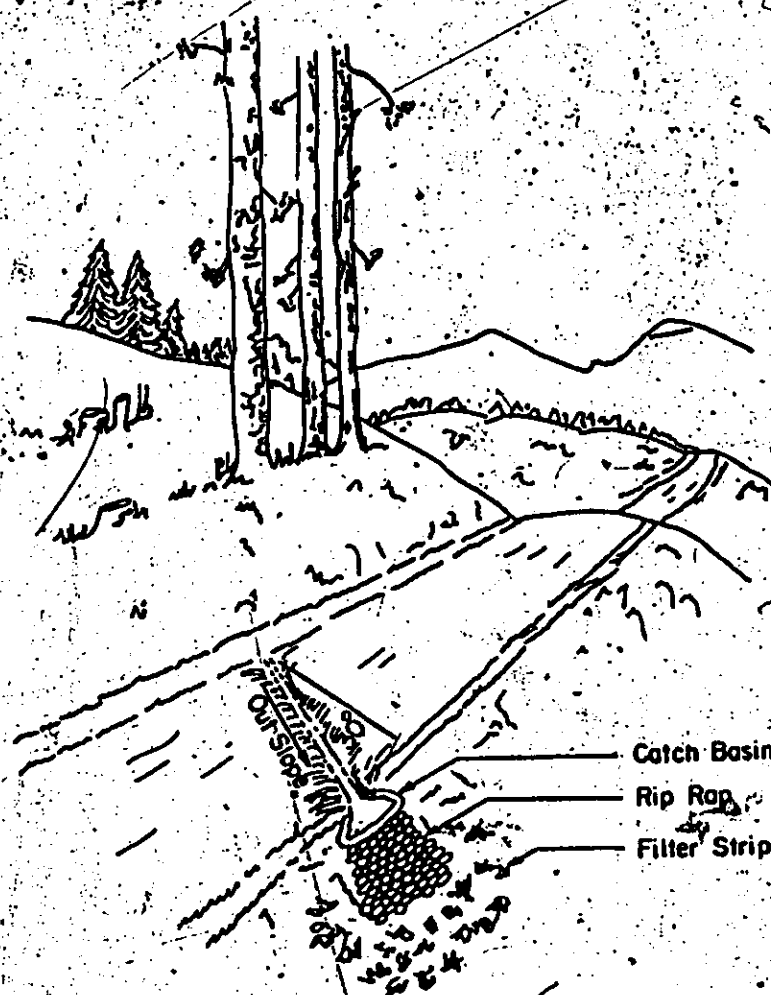


RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

WATER BAR OR DRAINAGE DIP WITH ENERGY DISSIPATOR FOR RETIREMENT OF ROADS



DRAINAGE DIP SPACING CHART

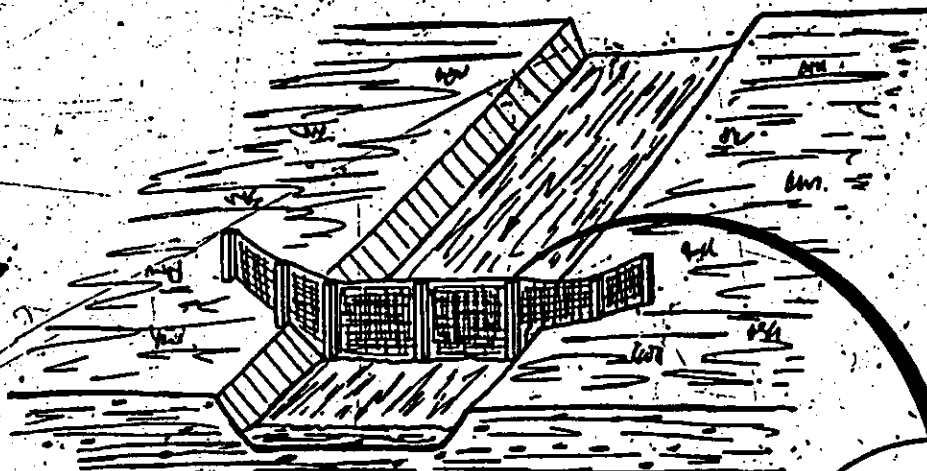
ROAD GRADE Percent	SPACING Feet
2	250
5	135
10	80
15	60
20	45
25 (And Greater)	40

RECEIVED
Office of Oil and Gas

JUN 18 2025

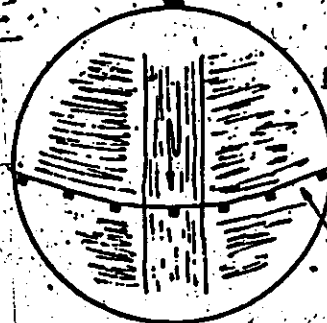
WV Department of
Environmental Protection

SEDIMENT TRAPPING FACILITIES DITCH INSTALLATION



NOTE:

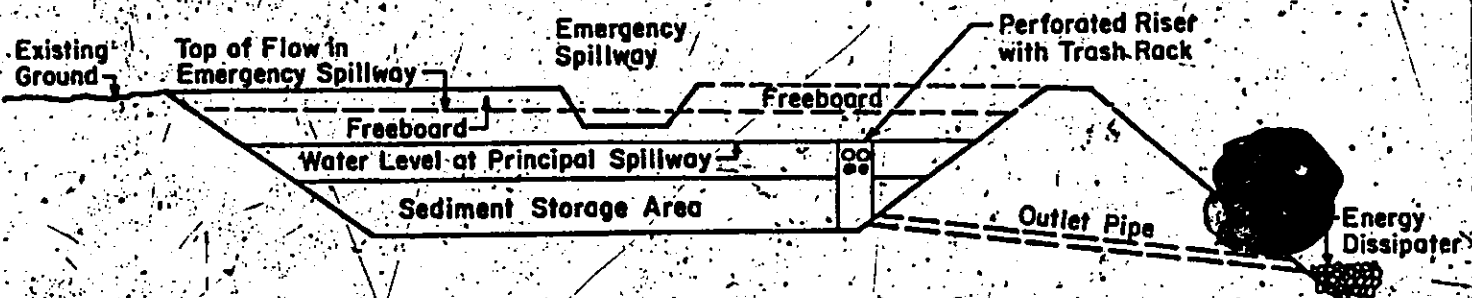
Filter fabric should be installed in an arc across the ditch and extended a sufficient distance out the sides so as to prevent water from flowing around the ends of the filter fabric fence.



PLAN VIEW

SEE SECTION

SEDIMENTATION POND



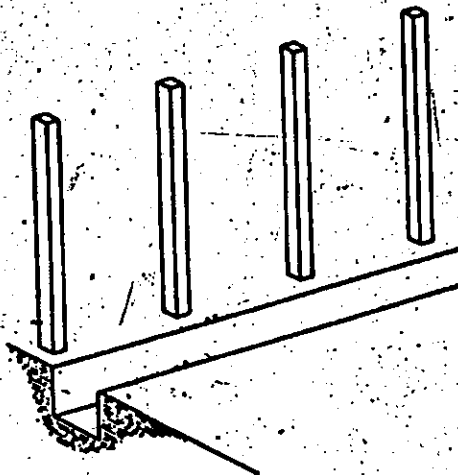
RECEIVED
Office of Oil and Gas

JUN 18 2025

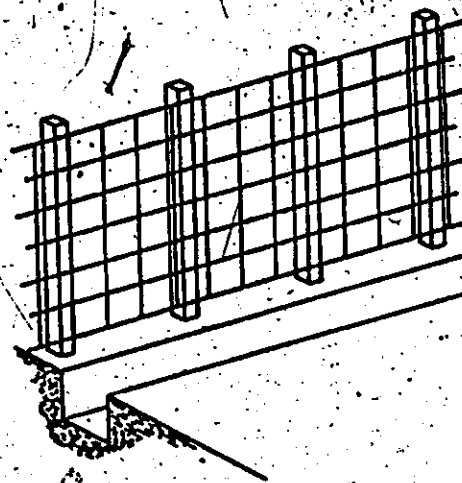
Department of
Environmental Protection

07/18/2025

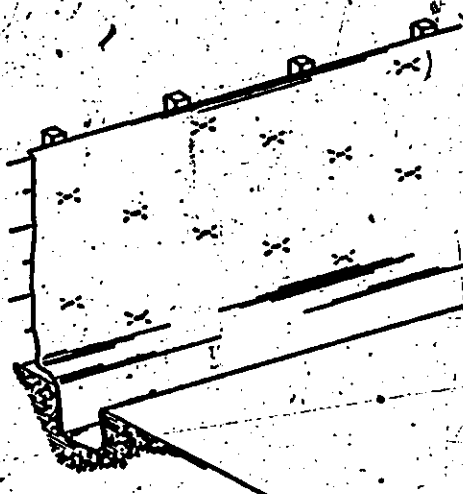
FILTER FABRIC INSTALLATION SEDIMENT FENCE CONSTRUCTION



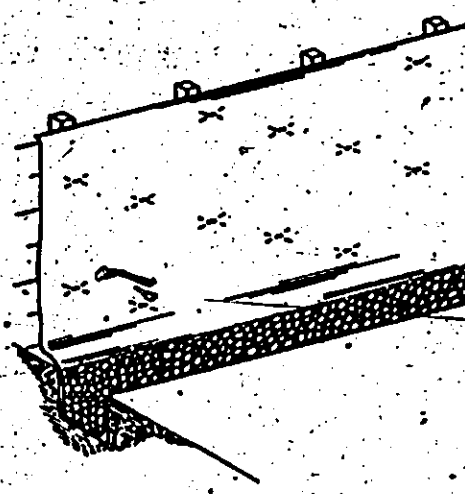
Support poles should be set and a minimum 6-inch trench dug to serve as a toe-in for the fabric.



A fencing material--wire mesh, wood slats, etc., if required, is then affixed to the poles. This support system acts as the framework for the filter fabric.



A sufficiently wide strip of filter fabric is then fastened to the fence support system with staples or nails. Leave a 12-18 inch wide bottom strip to line the trench.



The lined trench is then backfilled to complete the toe-in.

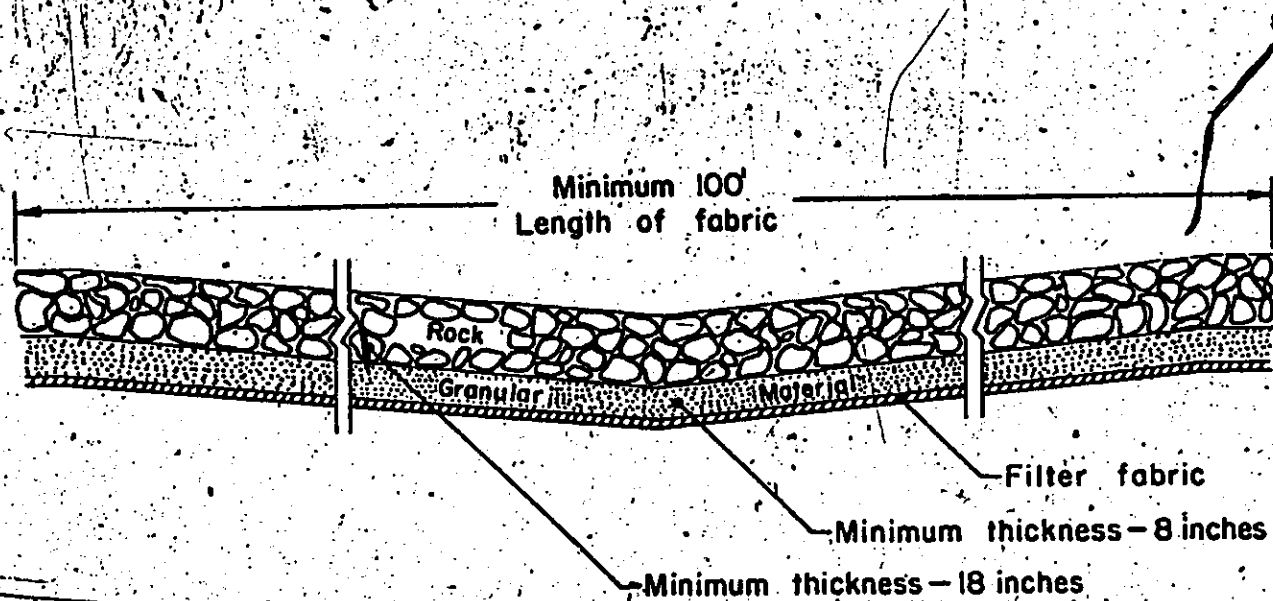
Some filter fabrics when exposed to direct sunlight, will degrade in several months. (Example: Untreated polypropylene is affected by UV). Know your material; engineer your project.

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

**DRAINAGE DIP
CONSTRUCTION WITH FILTER FABRIC AND ROCK SURFACE**



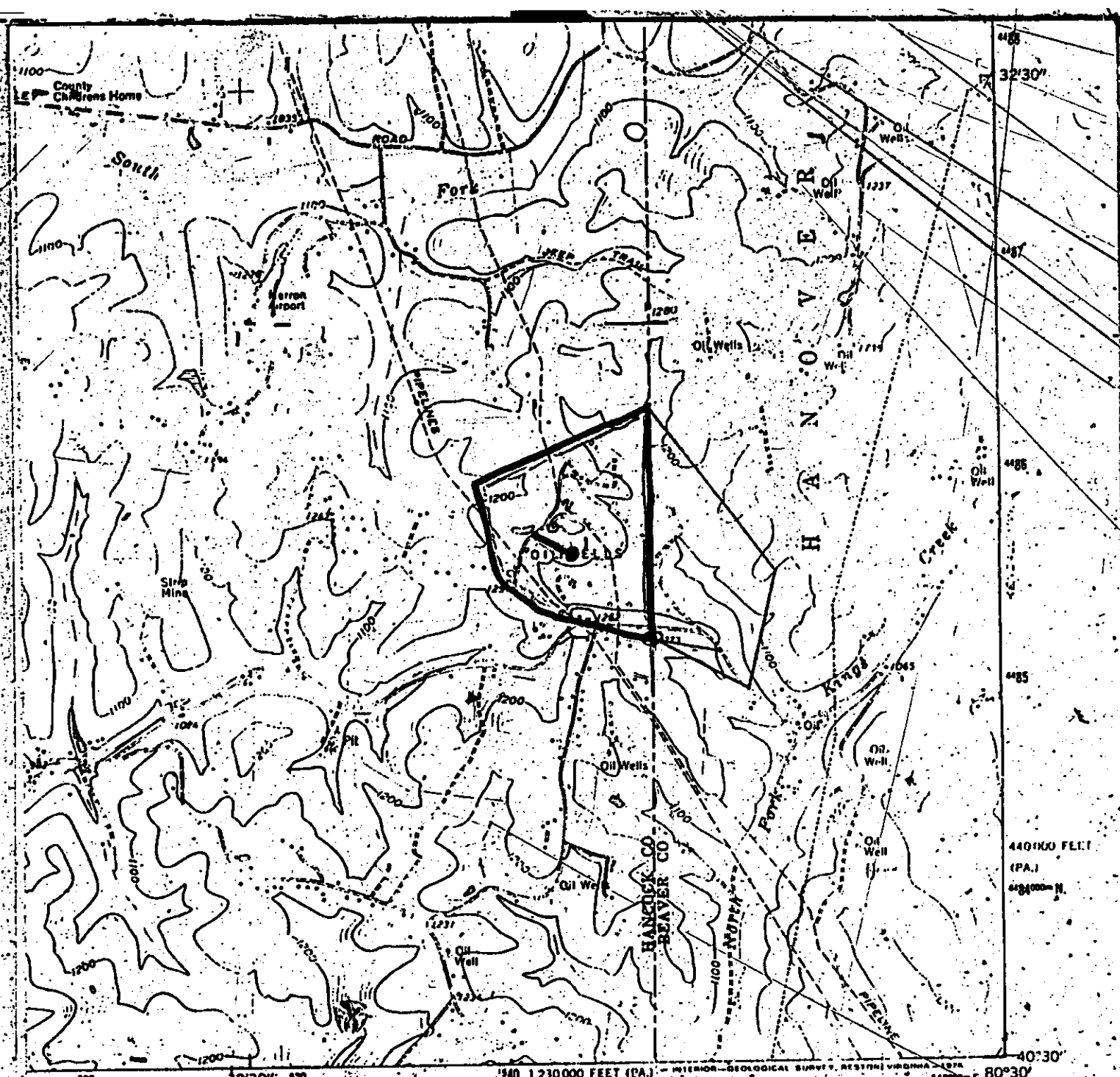
PROFILE

1. Construction of dips using filter fabric and rock would keep dips open and prevent rutting of the dip area.
2. Similar construction techniques could be used for the access road for sections: 100' each side of a stream crossing and last 100' to 200' before entering onto public highway.
3. If the operator is planning on adding any stone bases on the access road, filter fabric should be given consideration. Use of filter fabric would reduce the thickness of the rock base needed and would prove to be a cost effective measure.
4. Wheel loading design considerations can be obtained from manufacturers literature.

RECEIVED
Office of Oil and Gas

JUN 18 2025

Department of
Environmental Protection



ROAD CLASSIFICATION

Heavy duty	—	Light duty
Medium duty	- - -	Unimproved dirt
U.S. Route		State Route

RECEIVED
Office of Oil and

JUN 18 2025

WV Department of
Environmental Protection

EAST LIVERPOOL, SOUTH, OHIO-W. VA. RA

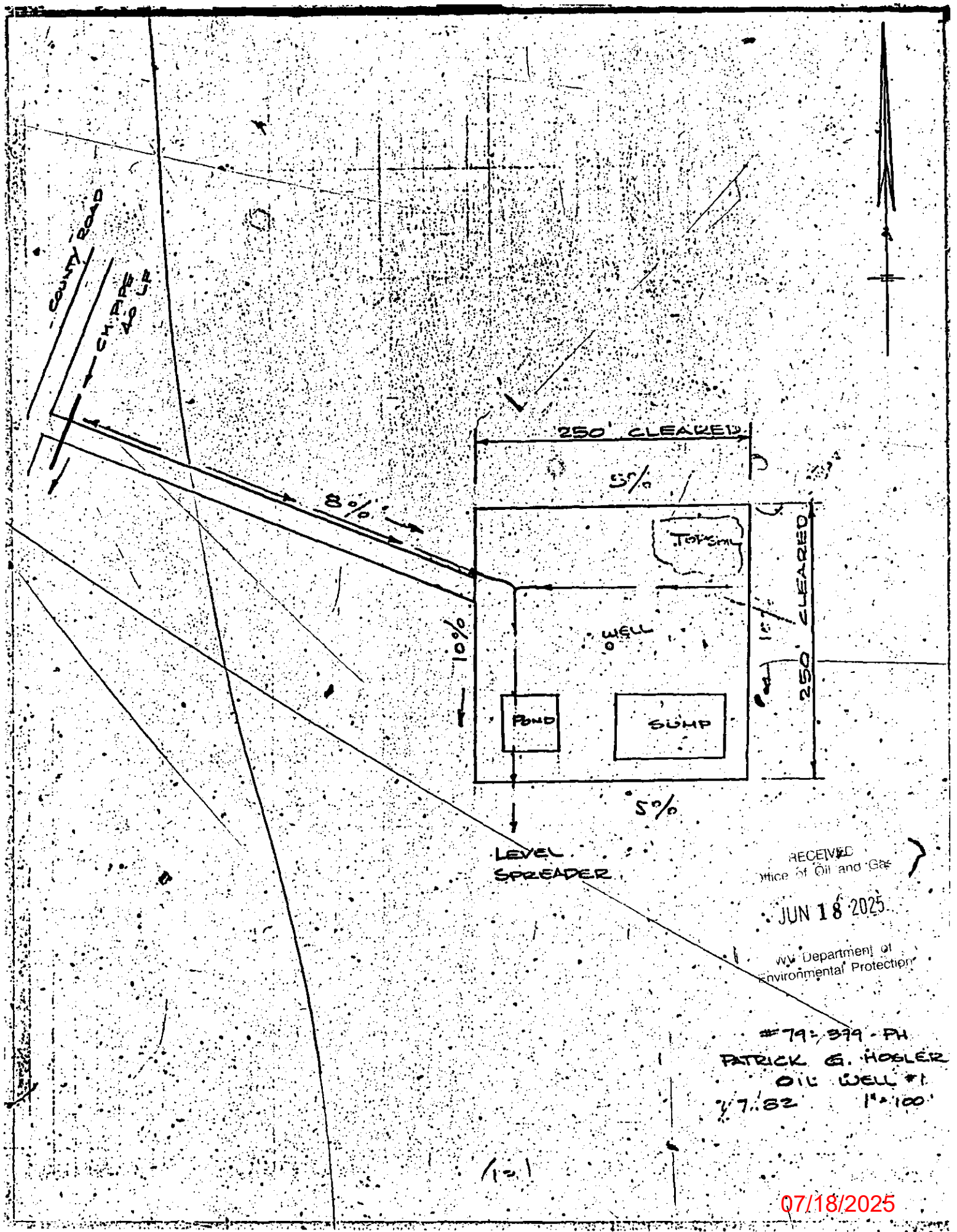
N4030-W8030/7.5

1960
PHOTOREVISED 1971 AND 1978
AMS 4805 II SE-SERIES V852

ANDAROS
RGINIA 22092
AVAILABLE ON REQUEST

Revisions shown in purple compiled in cooperation with
State of Ohio agencies from aerial photographs taken
1971 and 1976. Map edited 1978

07/18/2025



RECEIVED
Office of Oil and Gas

JUN 18 2025

Wy. Department of
Environmental Protection

#79-399-PH
PATRICK G. HOSLER
OIL WELL #1
7.7.82 1" x 100'

07/18/2025

361
COMMONWEALTH OF PENNSYLVANIA

COUNTY OF

SS:

On this, the _____ day of _____, 19____, before
me _____, the undersigned officer,
personally appeared _____

satisfactorily proven to me to be the person _____ whose name _____ subscribed to the within instru-
ment, and acknowledged that _____ executed the same for the purposes therein contained.

I witness whereof, I hereunto set my hand and official seal.

Notary Public.

STATE OF WEST VIRGINIA

COUNTY OF Hancock

TO WIT:

Wanda M. Adkins, a Notary Public in and for the County of Hancock

and State aforesaid, do certify that Robert L. Carson and Virginia Gladys Carson, plus 1 child
Virginia L. Carson, John Carson & Kathryn L. Carson, Jr. & S. H. Carson, their
_____ whose name _____ signed to the writing above, bearing
date the 17 day of January, 1982, has this day acknowledged the same before me in
my said County and State aforesaid.

Given under my hand and Official Seal this 17 day of January, 1982

COV
My Comm. expires
July 19, 1982

Wanda M. Adkins (Seal)

STATE OF OHIO

COUNTY OF

SS:

On this _____ day of _____, before
me a _____ in and for said county, personally appeared the above
named _____

to me personally known to be the party _____ named in and who executed the within agreement as
free and voluntary act and acknowledged to be _____ act and deed for the uses and purposes therein expressed and
mentioned.

WITNESS my hand and _____ seal the day and year aforesaid:

RECEIVED

Office of Oil and Gas

JUN 18 2025

(Seal)

2459

13.131

07/18/2025

360

16. No well shall be drilled by Lessee within 200 feet of the dwelling house or barn now on said premises, except by consent of Lessor.

17. The leased premises may be fully and freely used by Lessor for any purpose, excepting such parts as are used by Lessee in operation hereunder.

18. Lessee shall pay Lessor for all damages to growing crops, fences or trees caused by Lessee's operations and shall bury all permanent pipelines below normal plow depth through cultivated areas upon request of Lessor or within a reasonable length of time thereafter.

19. This instrument may be executed in counterparts each having the same validity as if the original. Should any one or more of the parties named as Lessor fail to execute this lease, it shall nevertheless be binding upon all such parties who do execute it as Lessor.

20. Lessor excepts and reserves a total amount of 200,000 cubic feet of gas annually or such part thereof as Lessor may use each year from the gas that Lessee may hereafter produce or otherwise have available under primary production from one gas production well completed and operated by Lessee hereunder upon the leased premises, which said amount of 200,000 cubic feet of gas per year Lessor shall be entitled to receive free of cost for heat and light in one dwelling house on the leased premises when and as long as Lessee may elect to produce or operate a well for the aforesaid purposes upon the leased premises, by Lessor laying the necessary lines and making connections at Lessor's cost at such point on the demised premises as may be designated by the Lessee, provided said gas is used with economical appliances and is measured by meter furnished by Lessee. The regulation of such gas will be by regulators furnished by Lessor, and approved by Lessee, placed at a point designated by Lessee, with said gas to be used at Lessor's own risk and Lessee not to be in any way liable for any interruption or insufficient supply of such gas for said domestic use caused by pumping stations, breakage of lines or otherwise, and nothing herein shall prevent the Lessee from abandoning any well or wells or pipelines on the leased premises and removing the pipe therefrom at any time, on Lessee's conversion to storage as provided for in Item 5. If more than 200,000 cubic feet per year is used, the excess shall be paid for at the rate charged to domestic consumers in the same area, and in case of default in payment for gas used in excess of said 200,000 cubic feet, Lessee is hereby authorized to deduct the amount thereof from any royalty or other payments that are then due, or may later become due, under the terms of this lease.

RECEIVED
Office of Oil and Gas

JUN 18 2025

Department of
Environmental Protection

All the terms, conditions, limitations and covenants herein contained shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, successors, personal representatives, transferees and assigns, but no representations, verbal or otherwise, other than those herein contained shall be binding on either party.

IN WITNESS WHEREOF, the parties to this agreement have hereunto set their hands and seals the day and year first above written.

Robert L. Carson

Robert L. Carson (Seal)
Robert L. Carson
SS#: [REDACTED]

Virginia Gladys Carson
Virginia Gladys Carson
SS#: [REDACTED]

John L. Carson (Seal)
John L. Carson
SS#: [REDACTED]

Marguerite D. Carson
Marguerite D. Carson
SS#: [REDACTED]

James H. Carson
James H. Carson
SS#: [REDACTED]

Kathryn L. Carson (Seal)
Kathryn L. Carson
SS#: [REDACTED]

All payments made under this lease are to be reported to the above mentioned Social Security Number(s).

07/18/2025

359
event of completion of a commercially unproductive well on the Premises the Lessee shall be under no obligation to make delay rental payments for a period of one year following the completion of such well. At the expiration of this rental free period, Lessee may continue to hold this lease for such further term as it may desire, not to exceed the primary term thereof, upon the payment of the rentals above mentioned. Lessee may, at its option, pay rentals quarterly or annually.

4. All payments under this lease shall be made by cash, check, voucher, or other legal tender to the order of J. A. and S. H. Carson Heirs, mailed to their present address

until the Lessee shall have written notice from the Lessor, its heirs or assigns, accompanied by original or certified copies of deeds or other documents as Lessee may require evidencing such change of ownership directing payments to be made otherwise, and any payments made as above until such direction, and thereafter in accordance with such direction shall absolve the Lessee from any liability to any heir or assign of the Lessor. All payments of royalty are to be made according to Lessor's respective interests therein, as hereafter set forth, and this lease shall not be forfeited for Lessee's failure to pay any rentals or royalties until Lessee has received written notice by registered mail of such default and shall fail, for a period of thirty (30) days after receipt of such notice to pay same.

5. Lessee shall have the exclusive right to employ any depleted oil or gas stratum underlying leased premises for the storage of gas and may for this purpose utilize any and all abandoned wells, or may drill new wells for the purpose of introducing and storing gas in such stratum and use the same therefor. It is understood that any such well or wells need not be located on the leased premises and it is agreed that Lessee shall be the sole judge as to whether gas is being stored with in the leased premises and its determination shall be final and conclusive. In consideration of the storage rights herein granted, and in lieu of all delay rental or royalty herein provided, Lessee agrees to pay Lessor an annual rental of One Dollar (\$1.00) per acre in advance, commencing with the date Lessee notifies Lessor that it intends to use any depleted stratum for storage purposes and for as long thereafter as any such stratum is so utilized or such annual rental is paid, which payments shall operate to perpetuate this lease for the period aforesaid, the same as though oil or gas were being produced.

6. In addition to the covenants of general warranty hereinabove contained, Lessor further covenants and agrees, that if Lessor's title to the leased premises shall come into dispute or litigation, or if, in the judgment of Lessee, there are bona fide adverse claims to the rentals or royalties hereinabove provided for, then Lessee, at its option, may withhold the payment of said rentals or royalties until final adjudication or other settlement of such dispute, litigation, claim or claims; and that Lessee, at its option, may pay and discharge any taxes, mortgages or other lien or liens, existing, levied, assessed or which may hereafter come into existence or be levied or assessed on or against the leased premises, and, in the event it exercises such option, Lessee shall be subrogated to the lien and any and all rights of any holder or holders thereof, and may reimburse itself by applying to the discharge of any such mortgage, tax, or other lien or liens, any rental or royalty accruing hereunder.

7. For the purpose of conserving the interest of the parties hereto and protecting said premises, and the oil or gas field within which the same are included from unnecessary and wasteful drilling and undue depletion of its resources, Lessor further grants to the Lessee, its heirs and assigns, the right to consolidate the above described premises or any part thereof, as to all (strata or any stratum or strata) at the option of Lessee with others to form a unit not to exceed 640 acres for development to the same effect as if said premises together with others in the area had been jointly leased by various lessors to the Lessee as a single undivided tract and in such event Lessor agrees to accept, in lieu of the royalty hereinbefore recited, such proportion of one eighth (1/8) of the oil or gas marketed from the unitized area as his acreage included therein bears to the total acreage of the unitized area. Lessee may give notice to Lessor of such consolidation by mail to the above address or by filing a declaration of record describing the properties so consolidated or unitized.

8. If and when drilling or other operations hereunder are delayed or interrupted by lack of water, labor or material, or by fire, storm, flood, war, rebellion, insurrection, riot, strike, differences with workmen, or failure of carriers to transport or furnish facilities for transportation, or as a result of some order, rule, regulation, requisition or necessity of the government, or as the result of any other cause whatsoever beyond the control of Lessee, the time of such delay or interruption shall not be counted against Lessee, anything in this lease to the contrary notwithstanding. All express or implied covenants of this lease shall be subject to all Federal and State Laws, Executive Orders, Rules or Regulations; and this lease shall not be terminated, in whole or in part, nor Lessee held liable in damages for failure to comply therewith, if compliance is prevented by, or if such failure is the result of any such Law, Order, Rule or Regulation.

9. Lessee shall have the right at any time during the term of this lease or after the expiration or termination thereof to remove all machinery, fixtures, pipelines, houses, buildings, and other structures placed on said premises, including the right to pull and remove all casing and tubing.

10. If the Lessee shall begin operations for the commencement of a well during the term of this lease or any extension thereof, the Lessee shall then have the right to complete the drilling of such wells, and if oil or gas or either of them be found in paying quantities, this lease shall continue and be in force and with the effect as if such well had been completed within the term first herein mentioned.

11. Lessee shall have the right to transfer or assign, in whole or part, this lease or any interest and the transferee or assignee of Lessee shall have corresponding rights, privileges, and obligations with respect to said royalties and rentals as to the acreage transferred or assigned to it.

12. Lessee shall upon completion or the first productive well upon said premises make a diligent effort to obtain pipeline connection but any delay shall not be counted against the Lessee provided Lessee shall resume delay rental payments for quarterly periods, beginning one year from the date that the first productive well shall be completed until said first well shall be connected to a pipeline.

13. Lessee may, at any time during the term hereof, cancel and surrender this lease, and be relieved of any and all obligations, payments and liabilities thereafter to accrue as to the leased premises, by the mailing of a notice of such surrender, and a check covering all rentals, if any, due up to the date of such cancellation or surrender.

14. It is agreed that said Lessee may drill or not drill on said land as it may elect, and the consideration and rentals paid and to be paid hereunder constitute adequate compensation for such privilege.

15. It is agreed that said Lessee shall have the privilege of using free of charge sufficient water, oil and gas from the said premises to run all machinery necessary for drilling and operations thereon, and at any time to remove all machinery and fixtures placed on said premises.

RECEIVED
Office of Oil and Gas
JUN 18 2025

Environmental Protection

07/18/2025

49

358

RECEIVED

JUL 09 1982

This Lease prepared by

Patrick G. Hosler

5/78

Received for Recording

Lease #

Recorded

Map Ref.

Clay 9-12

OIL & GAS DIVISION

Book

Pg.

Renewal #

DEPT. OF MINES

Expires

OIL and GAS LEASE

THIS AGREEMENT made and entered into this the 17th day of January

19-82, by and between Robert L. Carson and Virginia Gladys Carson (his wife); John L. Carson and Marguerite D. Carson (his wife) & James H. Carson and Kathryn L. Carson (his wife) also

known as J. A. and S. H. Carson Heirs

hereinafter called Lessor (whether one or more), and Patrick G. Hosler, R.D. 2, Box 28, Folley Farms, hereinafter called Lessee,

WITNESSETH, that said Lessor, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby acknowledged, and of the covenants hereinafter contained on the part of said Lessee, to be paid, kept and performed, has granted, demised, leased and let, exclusively unto Lessee, with covenants of general warranty, for the purpose and with the right of drilling, producing, and otherwise operating for oil and gas, and of laying pipe lines and building tanks, roads, stations, and electric power lines, houses for valves, meters, regulators and other appliances, with all other rights and privileges necessary, incident to or convenient for the operation of this land alone and jointly with neighboring lands, all that certain tract of

land situate in the District of Clay, County of Hancock

State of West Virginia, and bounded substantially as follows:

On the North by lands of 11-2, 11-1, 11-11

On the East by lands of Penna. State Line

On the South by lands of Frankfort Road

On the West by lands of 9-8, 9-10

and containing, for the purpose of calculating rentals, .138 acres of land whether actually

containing more or less; and part of all of said land is described in that certain deed to Lessor from

John L. Carson, Henry H. Wilcox

dated 9/11/52, 8/29/85

recorded in Book 85, F, Page 66, 345, in the Recorder's Office of said County, it being the intent of Lessor to include all lands owned by the Lessor in said County.

1. It is agreed that this lease shall remain in force for a primary term of 50 years from the date hereof and as long as thereafter as the said land is operated by Lessee in the production of oil or gas.

2. The royalties to be paid by Lessee are (a) on oil, one-eighth (1/8) of that produced and saved from said land, same to be delivered at the wells or to the credit of Lessor, in the pipe line to which the wells may be connected; (b) on gas of whatever nature or kind produced and sold or used off the premises, the higher of one-eighth (1/8) of the proceeds realized by Lessee from the sale thereof, or in the event of use by Lessee or its assigns one-eighth (1/8) of the field market price prevailing at the time of use paid for natural gas of like kind sold to The Columbia Gas of W. Virginia Inc., its successors or assigns, in the above-mentioned or adjoining counties. Notwithstanding anything herein to the contrary, this lease shall continue in full force for so long as there is a well or wells on leased premises capable of producing oil or gas, but in the event all such wells are shut in for any reason, then on or before the end of each year during which the well or wells are shut in, Lessee shall pay Lessor a royalty of \$276.00 per year per acre. The royalties herein provided shall not be payable on any gas stored or withdrawn pursuant to paragraph 5 hereof.

3. If Lessee shall not have either begun operations for the commencement of a well on the premises within sixty days from the date hereof Lessee agrees to pay to the Lessor the sum of

Two Hundred Seventy Six and no/100 DOLLARS (\$276.00) annually,

commencing sixty days from the date as a rental for 12 months such commencement is delayed, subject, however to the right of cancellation hereinafter granted to Lessee, and it is understood and agreed that the rental as hereinbefore provided for is the chief consideration until commencement of a well. The commencement of a well shall, however, be and operate as a full liquidation of all rentals thereafter accruing under this provision of this lease during the remainder of the term hereof. In the



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

RECEIVED

JUL 09 1982

OIL & GAS DIVISION
DEPT. OF MINES

TO: ALL OPERATORS
FROM: Thomas E. Huzar, Administrator
RE: House Bill 1254 - Permits Not to be Issued on
Flat Well Royalty Leases

DATE: June 22, 1982
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

In an effort to implement HB-1254 an affidavit was mailed to each operator previously. Upon review it is found this affidavit is inappropriate and not entirely necessary. The application form will be revised to include the following statement:

Yes ☐ No ☒ The right to extract, produce or market the oil or gas is based upon a lease or leases or other continuing 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 and gas so extracted, produced or marketed.

You should answer this question without the use of the form until the applications have been revised.

If the answer is "yes" to the question, then you must provide with the application an affidavit which certifies that the affiant is authorized by the owner of the working interest in the well to state that it shall tender to the owner of the oil or gas in place not less than one-eighth of the total amount paid to or received for the oil or gas so extracted, produced or marketed before deducting the amount to be paid or set aside for the owner of the oil and gas in place, on all such oil or gas to be extracted, produced or marketed from the well. (See West Virginia Code 22-4-11(e).)

Attached is an affidavit form you may use, but it is necessary only in the event that you would answer "yes". If the answer is "no", please include a statement to that effect.

*Lease attached duly notarized and
recorded showing to minimum royalty.*

*Robert A. Hader
operator*

TEH/rf

07/18/2025

FOR TREASURY USE ONLY

TREASURY DEPARTMENT

FOR TREASURY USE ONLY

STATE OF WEST VIRGINIA

DEPOSIT NO.

CASH NO.

(Date Received)

NO. 460

(Agency Use Only)

NAME OF SPENDING AGENCY:

Dept. Mines-Office of Oil & Gas

PREPARED BY: Charlotte Milan

EXT. 2055

DATE PREPARED: 7-20-82

(SECTION A)

	CASH	CHECKS AND/OR MONEY ORDERS	TOTAL
Re: Permit to Drill HAN-0102 Deposit in Trust for: Patrick G. Hosler Box 191 New Cumberland, W.Va. 26047 The sum of \$ 2,500.00 cash deposit in lieu of bond and/or securities to be held in trust by the Treasurer of the state of W.Va., in accordance with Chapter 22, Article 4, Code of W.Va., until a letter is received from the Office of Oil & Gas releasing said cash deposit. Deposit in form of: Certified Ck. # 137 dated 7-8-82 Drawn on the: First National Bank of Chester, W.Va.		\$ 2,500.00	
TOTAL =		\$ 2,500.00	

(SECTION B)

REVENUES ONLY

Account No.	Line Item	Fund No.	Account Totals	Account No.	Line Item	Fund No.	Account Totals
XXXX-XX	XXX	XX		XXXX-XX	XXX	XX	
091-16	550	13	\$ 2,500.00				

Handled 102 7/16

PATRICK G. HOSLER
DRILLING ACCOUNT
RT. 2, BOX 191
NEW CUMBERLAND, WV 26047

PAY TO THE ORDER OF Department of Mines, Oil & Gas

Two Thousand Five Hundred and no/100 DOLLARS

July 8 1982

\$ 2500.00

FIRST NATIONAL BANK OF CHESTER
CHESTER, WEST VIRGINIA

MEMO: BND CARMON WELL

137

137

137

\$ 2,500.00

Account Totals

Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

\$ 2,500.00

Form T-1
Revised 1/1/76

ORIGINAL-STATE TREASURER
GREEN-STATE AUDITOR
YELLOW-FIN. & ADM.
PINK-SPENDING AGENCY
GOLDEN ROD-SPENDING AGENCY

GRAND TOTAL (ALL SOURCES)

(SEE BACK FOR INSTRUCTIONS)

07/18/2025

FORM IV-9

(08-78)

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

RECLAMATION PLAN

WELL OPERATOR

Address

DESIGNATED AREA

Address

The well operator hereby agrees to carry out the reclamation requirements of Code 12-2-20 in the manner set out below.

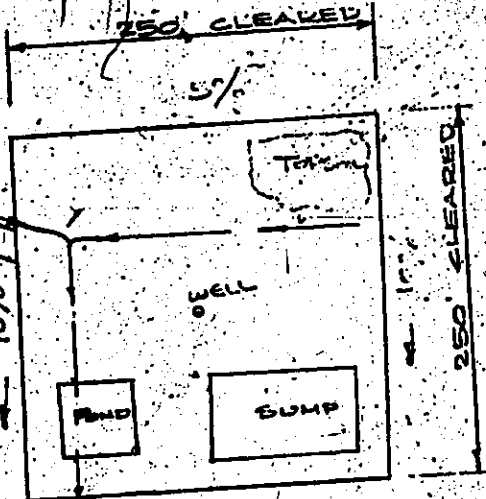
This plan has _____ has not _____ been reviewed with the district oil and gas inspector.

SKETCH: (locate and show the (1) well location, (2) existing access road, (3) access road to be constructed, (4) well site, (5) drilling pit(s), and (6) necessary drainage features, including drains (natural and manmade), oil traps, etc.)

RECEIVED
JUL 9 1982

OIL & GAS DIVISION
DEPT. OF MINES

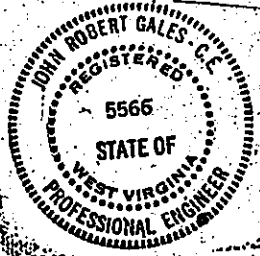
STATEMENT OF RECLAMATION PLAN (Complete on reverse side if



RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection



Patrick Hosler
By *Patrick Hosler*
Owner & Operator

07/18/2025

34



WV-9
(Rev. 8-81)
S.C. FLOW
P.O. 2200A

DATE 7/8/82
WELL NO. 71
API NO. 47-029-0102

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME PATRICK HOSLER DESIGNATED AGENT SAME AS OPERATOR
Address Box 191 New Cumberland W. Va. Address _____
Telephone 304-387-4478 Telephone _____
LANDOWNER J.A. & S.H. CARSON HEIRS SOIL CONS. DISTRICT NORTHERN PANHANDLE
Revegetation to be carried out by _____ (Agent)

This plan has been reviewed by Northern Panhandle Soil Conservation Dist (Agent)
and additions become a part of this plan: 7/8/82 (Date)
Charles L. Pugh (Chairman) (SCD Agent)

ACCESS ROAD		LOCATION	
Structure _____	(A)	Structure _____	(1)
Spacing _____		Material _____	
Page Ref. Manual <u>13</u>		Page Ref. Manual <u>12</u>	
Structure _____	(B)	Structure _____	(2)
Spacing _____		Material _____	
Page Ref. Manual _____		Page Ref. Manual _____	
Structure _____	(C)	Structure _____	(3)
Spacing _____		Material _____	
Page Ref. Manual _____		Page Ref. Manual _____	

RECEIVED
JUL 04 1982

OIL & GAS DIVISION
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.

RECEIVED
Office of Oil and Gas
JUN 18 2025

REVEGETATION

Treatment Area I		Treatment Area II	
Line _____	Tons/acre	Line <u>2</u>	Tons/acre
or correct to pH _____		or correct to pH _____	
Fertilizer _____	lbs/acre	Fertilizer <u>400</u>	lbs/acre
(10-20-20 or equivalent)		(10-20-20 or equivalent)	
Mulch _____	Tons/acre	Mulch <u>none</u>	Tons/acre
Seed* <u>none required</u>	lbs/acre	Seed* <u>Trace 25</u>	lbs/acre
<u>road no strip</u>	lbs/acre		lbs/acre
<u>bank</u>	lbs/acre		lbs/acre

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

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

PLAN PREPARED BY PATRICK HOSLER
ADDRESS RT 2 Box 191
NEW CUMBERLAND W. VA.
PHONE NO. 304-387-4478

* Shaded Wooded Area

07/18/2025

(Reverse)

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Robert Chisler
Address P. O. Box 101
Pentress, W. Va.

GEOLOGICAL TARGET FORMATION Gordon
Estimated depth of completed well 1650 feet. Rotary ☒ / Cable tools ☐
Approximate water strata depths: Fresh, 170 feet; salt, 600 feet.
Approximate coal seam depths: 400'
Is coal being mined in this area: Yes / No ☒ /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS						FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS	PACKERS
	Size	Grade	Weight per ft.	New	Used		For Drill-ling	Left in Well		
Conductor	12						20'		10 Sacks	Kinds
Fresh water	9 5/8						300'		60 Sacks	
Coal	7"						1300'			Sizes
Intermed.										
Production	7 3/8						1640'			Depths set
Tubing	2 3/8						1640'			
Liners										Perforations:
										Top Bottom
										1360 1630

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 822-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code 822-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code 822-4-12a, and (v) if applicable, the consent required by Code 822-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

Well will be fractured and notification as to what is done will be sent to THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling

THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 3-16-83

BY [Signature]

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

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 822-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine 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: 19

By:

Its:

07/18/2025

(Obverse)

(Revised 3-81)



Farm

API #47 - 029 - 0102

Date

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ☒ / Gas ☐ (If Gas, Production ☐ / Underground storage ☐ / Deep ☐ / Shallow ☐)

LOCATION: Elevation: 1240 Watershed: Ohio River
District: Clay County: Hancock Quadrangle: East Liverpool South

WELL OPERATOR Patrick G. Hosler DESIGNATED AGENT Patrick G. Hosler
Address Box 191 Address Box 191
New Cumberland, W. Va. 26047 New Cumberland, W. Va. 26047

OIL AND GAS ROYALTY OWNER J. A. and S. H. Carson Heirs COAL OPERATOR None
Address R. D. #3 Box 157 Address
New Cumberland, W. Va. 26047
Acreage 138

SURFACE OWNER J. A. and S. H. Carson Heirs COAL OWNER(S) WITH DECLARATION ON RECORD:
Address Box 157 R. D. #3 NAME J. A. and S. H. Carson Heirs
New Cumberland, W. Va. 26047 Address Box 157 R. D. #3
New Cumberland, W. Va. 26047
Acreage 138 NAME
Address

FIELD SALE (IF MADE) TO:
NAME
Address

COAL LESSEE WITH DECLARATION ON RECORD:
NAME None
Address

OIL AND Middlebourne, W. Va. 26149
PH: 758-4764

NAME
Address

Telephone

RECEIVED

JUL 09 1982

OIL & GAS DIVISION

DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ☐ / lease ☒ / other contract ☐ dated 1/17, 1982, to the undersigned well operator from J. A. and S. H. Carson Heirs.

(If said deed, lease, or other contract has been recorded:)

Recorded on March 3, 1982, in the office of the Clerk of County Commission of Hancock County, West Virginia, in 25 Book at page 361. A permit is requested as follows:

PROPOSED WORK: Drill ☒ / Drill Deeper ☐ / Redrill ☐ / Fracture or stimulate ☐
Plug off old formation ☐ / Perforate new formation ☐
Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above 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 522-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

CASH DEPOSIT ITS:
HELD BY TREASURER

Patrick G. Hosler

Well Operator

By:

Owner & Operator

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

07/18/2025

State of West Virginia Department of Environmental Protection
Office of Oil and Gas
Abandoned Well Inspection Form

I. Well Identification well score well class sub class

API Number: Assigned Number:

Well Operator:

Farm/Landowner: Well Number:

II. Well Location

Quad: District: County:

Latitude: Longitude:

III. Impacts to public health or safety

1. Does this well appear to be an immediate threat to human health or safety, i.e., sinkhole, explosion hazard, noxious gas/chemicals, unstable equipment? If yes, explain. NO ☒ YES ☐

Note: An affirmative response to Question 1 results in an automatic Class 1 designation

2. Does this well appear to be a potential (i.e., non-imminent) threat to human health or safety. If yes, explain. NO ☒ YES ☐

Note: An affirmative response to this question results in an automatic Class 2 designation

RECEIVED
Office of Oil and Gas
JUN 18 2025
West Virginia Department of
Environmental Protection

07/18/2025

IR-9FWell Class: _____

Rev: 09/2022

IV. Impacts to the environment

3. Is this well leaking fluids (i.e., oil and/or saltwater) at the surface? Is leakage minor or significant? Check all that apply. If yes, explain, and include an estimate on the volume of fluids leaking.

NO ☒ OIL ☐ MINOR ☐ SIGNIFICANT ☐
Yes ☐ SALTWATER ☐ MINOR ☐ SIGNIFICANT ☐

Note: An affirmative response for significant leakage of any fluids for Question 3 results in an automatic Class 1 designation. Minor leakage results in a Class 2 designation.

4. Is there evidence of contaminated soil around the wellhead? NO ☒ YES ☐
If yes, explain and estimate the size of the impacted area.

5. If yes to question 3, has fluid leakage escaped the well location? NO ☒ YES ☐
If yes, explain.

Note: An affirmative response to Question 5 results in an automatic Class 1 designation

6. Is there evidence of groundwater contamination within 1,000 ft of well. NO ☒ YES ☐
If yes, explain.

Note: An affirmative response to Question 6 will result in an automatic Class 1 designation

RECEIVED
Office of Oil and Gas
JUN 18 2025
WV Department of
Environmental Protection

07/18/2025

IR-9FWell Class: _____

Rev: 09/2022

7. Is this well leaking gas? Is leakage minor or significant? Check all that apply. If yes, explain detection methodology and include gas detector make and model, if used. Note that any well exhibiting leaking methane is subject to contract methane quantification requirements.

NO ☒ METHANE ☐ MINOR ☐ SIGNIFICANT ☐
Yes ☐ H₂S ☐

Note: An affirmative response for significant leakage of methane or any H₂S for Question 7 results in an automatic Class 1 designation. Minor leakage of methane results in a Class 2 designation.

8. Well condition, check all that apply. If yes, explain.

a. Severely deteriorated (or absent) surface casing: NO ☒ YES ☐
b. Severely deteriorated (or absent) production casing: NO ☒ YES ☐

Note: An affirmative response to both Questions 8a and 8b will result in an automatic Class 1 designation, otherwise Class 2.

9. Approximate well dates (if known):

Activity	< 25 years	25 – 50 years	> 50 years	Approximate year
Well Construction	☐	☐	☒	1929
Well Abandonment	☐	☐	☒	1975

10. What is the approximate distance of the well to the nearest planned or active mineral development, check all that apply:

Mineral Resource	0 – 1000'	1000-2000'	>2,000'
a. Oil	☐	☐	☒
b. Gas	☐	☐	☒
c. Coal	☐	☐	☒
d. Limestone	☐	☐	☒

RECEIVED
Office of Oil and Gas
JUN 18 2025
WV Department of
Environmental Protection

07/18/2025

IR-9FWell Class: _____

Rev: 09/2022

Note: The presence of planned or active mineral development within 1,000' of the subject well will result in an automatic Class 1 designation. Development within 2,000' of the subject well results in a Class 2 designation.

11. What is the approximate distance of the well to the nearest water resource, check all that apply:

Water Resource	0 – 100'	100-500'	>500'	Identity
a. Drinking water	☒	☐	☐	Possible Water Well
b. River/stream	☐	☐	☒	
c. Lake/Reservoir	☐	☐	☒	

12. Estimate number of people residing within 1,000' of the well location:

	0 – 20	> 20
a. Number of residents	☒	☐

13. Current land use (check all that apply):

AGRICULTURAL ☐ COMMERCIAL ☐ RECREATIONAL ☐ RESIDENTIAL ☒
UNDEVELOPED ☐ OTHER:

14. Is there refuse or other debris on location? If yes, explain.

NO ☒ YES ☐

15. Is the well located in a disadvantaged community, as defined by [CEJST](#)

No ☒ Yes ☐

If yes identify all factors for which the community was flagged as disadvantaged (i.e, 90th percentile)

A. Climate change ☐			
B. Energy ☐			
C. Health ☐			
D. Housing ☐			

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

07/18/2025

IR-9FWell Class: _____

Rev: 09/2022

E. Legacy pollution ☐

--	--	--	--

F. Transportation ☐

--	--	--	--

G. Water and wastewater ☐

--	--	--	--

H. Workforce development ☐

--	--	--	--

V. Inspection certification

Inspection Date and Time:

11/13/2024

I hereby certify that all the information contained in this inspection report (or any other accompanying or required documents) is correct, accurate and complete to the best of my knowledge. I understand that the falsification, misrepresentation, or omission of any facts in said documents may be cause for non-payment under terms of the contract.

Signature:

<i>Strader Gower</i>

Printed Name:

Strader Gower

Title:

Oil & Gas Inspector

Date:

11/13/2024

RECEIVED
Office of Oil and Gas
JUN 18 2025
WV Department of
Environmental Protection

07/18/2025

WW-4B

API No. 47-029-00146

Farm Name _____

Well No. 90153

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator ____/ owner ____/ lessee ____/ of the coal under this well location has examined this proposed plugging work order. 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: _____

By: _____

Its _____

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

07/18/2025

SURFACE OWNER WAIVER

Operator's Well
Number

Unknown DEP Paid Plugging Contract

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, 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 of the West Virginia Code. Well work 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 and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

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 on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection

Signature

Date

Date

07/18/2025

Signature

Date

Name
By
Its

11/10/2016

PLUGGING PERMIT CHECKLIST

Plugging Permit

- ☒ WW-4B
- ☐ WW-4B signed by inspector
- ☒ WW-4A
- ☐ SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- ☐ COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- ☒ WW-9 PAGE 1 (NOTARIZED)
- ☒ WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- ☐ WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- ☒ RECENT MYLAR PLAT OR WW-7
- ☒ WELL RECORDS/COMPLETION REPORT
- ☐ TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- ☐ MUST HAVE VALID BOND IN OPERATOR'S NAME
- ☐ CHECK FOR \$100 IF PIT IS USED

RECEIVED
Office of Oil and Gas
JUN 18 2025
WV Department of
Environmental Protection

07/18/2025



6/16/2025

Strader Gower
WV Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, WV 25304

SUBJECT: Notice of Application to Plug and Abandon a Well

Dear Mr. Gower:

Enclosed is the permit application for well API Number 47-029-00146 that North Wind Response and Reclamation plans to plug and abandon under Agency Purchase Order DEP2500000304 with the Department of Environmental Protection Office of Oil and Gas. This well is located on land of surface owner Theodore Dean Patterson.

Please feel free to reach out to me if you have any questions or concerns, at greg.hunt@northwindgrp.com or 541-944-5472.

Sincerely,

A handwritten signature in cursive script that reads "Gregory W. Hunt".

Greg Hunt

RECEIVED
Office of Oil and Gas

JUN 18 2025

WV Department of
Environmental Protection



Kennedy, James P <james.p.kennedy@wv.gov>

plugging permits issued 4702900144 00145 00146 00147 00148

3 messages

Kennedy, James P <james.p.kennedy@wv.gov>

Mon, Jul 14, 2025 at 12:07 PM

To: Henry J Harmon <henry.j.harmon@wv.gov>, Strader C Gower <strader.c.gower@wv.gov>, Greg Hunt <greg.hunt@northwindgrp.com>, jalongi@assessor.state.wv.us

To whom it may concern, plugging permits have been issued for 4702900144 00145 00146 00147 00148.

--

James Kennedy

Environmental Resource Specialist III / Permitting

WVDEP Office of Oil and Gas

601 57th Street, SE

Charleston, WV 25304

304-926-0499 ext. 45025

james.p.kennedy@wv.gov**5 attachments** **4702900144.pdf**
3395K **4702900145.pdf**
3418K **4702900148.pdf**
5079K **4702900146.pdf**
5070K **4702900147.pdf**
4837K**Mail Delivery Subsystem** <mailer-daemon@googlemail.com>

Mon, Jul 14, 2025 at 12:09 PM

To: james.p.kennedy@wv.gov

**Address not found**

Your message wasn't delivered to
jalongi@assessor.state.wv.us because the address couldn't
be found, or is unable to receive mail.

07/18/2025

The response from the remote server was:

550 5.1.1 : Recipient address rejected: User unknown in local recipient table

Final-Recipient: rfc822; jalongi@assessor.state.wv.us

Action: failed

Status: 5.1.1

Remote-MTA: dns; state.mx2.wvnet.edu. (129.71.2.214, the server for the domain assessor.state.wv.us.)

Diagnostic-Code: smtp; 550 5.1.1 <jalongi@assessor.state.wv.us>: Recipient address rejected: User unknown in local recipient table

Last-Attempt-Date: Mon, 14 Jul 2025 09:09:03 -0700 (PDT)

 **noname**
3K

Mail Delivery Subsystem <mailer-daemon@googlemail.com>
To: james.p.kennedy@wv.gov

Mon, Jul 14, 2025 at 12:09 PM

[Quoted text hidden]

Final-Recipient: rfc822; jalongi@assessor.state.wv.us

Action: failed

Status: 5.1.1

Remote-MTA: dns; state.mx2.wvnet.edu. (129.71.2.214, the server for the domain assessor.state.wv.us.)

Diagnostic-Code: smtp; 550 5.1.1 <jalongi@assessor.state.wv.us>: Recipient address rejected: User unknown in local recipient table

Last-Attempt-Date: Mon, 14 Jul 2025 09:09:15 -0700 (PDT)

 **noname**
3K

07/18/2025