



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

Friday, March 14, 2025

WELL WORK PLUGGING PERMIT
Vertical Plugging

US FISH AND WILDLIFE SERVICE
3982 WAVERLY RD.

WILLIAMSTOWN, WV 26187

Re: Permit approval for 2
47-107-01787-00-00

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: 2
Farm Name: US FISH AND WILDLIFE SERVICE
U.S. WELL NUMBER: 47-107-01787-00-00
Vertical Plugging
Date Issued: 3/14/2025

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. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. 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.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. 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 January 28 2025 **47-107-01787**
2) Operator's Well No. 2
3) API Well No. 47-107 - 80646

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 X / Gas ___ / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow ___

5) Location: Elevation 602' Watershed Ohio River Watershed
District Williams County Wood Quadrangle Valley Mills

6) Well Operator US Fish and Wildlife Service 7) Designated Agent Victor Elam
Address 3982 Waverly Road Address 3982 Waverly RD
Williamstown, WV 26187 Williamstown, WV 26187

8) Oil and Gas Inspector to be notified Name April Lawson
Address 6819906944
9) Plugging Contractor Name Hydrocarbon Well Services
Address PO box 995
Buckhannon WV 26201

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

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MAR 11 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 April Lawson Date 03/10/2025

Digitally signed by April Lawson
DN: CN = April Lawson email = april.lawson@wv.gov C = US
Date: 2025.03.10 09:07:12 -0400

03/14/2025

4710701787

April
Lawson

Digitally signed by April Lawson
DN: CN = April Lawson email =
april.lawson@wv.gov C = US
Date: 2025.03.10 09:07:59 -
0400

PLUGGING PROGNOSIS

Well Name – Unknown (no records)
API# 47-107-80646
District, Williams
Wood County, WV

Using off set plugging records for 47-107-01522

BY: Hydrocarbon Well Service
DATE: 12/16/24

OFF SET WELL STATUS 47-107-01523
TD @ Est. 950'
Elevation @ 607'

7" casing @ 345'
5 1/2" casing @ 800'
2" tubing @ 950'

Fresh Water @ unknown'
Saltwater @ unknown
Oil Show @ unknown
Gas shows @ unknown'
Coal @ None reported

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CLASS A Cement used on all plugs

1. Notify inspector April Lawson @ 681-990-6944, 24 hrs. prior to commencing operations.
2. ***Note, if any casings without cement in the annulus cannot be retrieved, make sure to consult with Inspector, and to perforate all saltwater, freshwater, coal, oil & gas shows, and elevation in the well.**
3. Rig up pull rods and tubing, check TD @ or below 950'
4. TIH, pump gel and then spot 100' cement plug from 950 – 850', displace and TOOH.
5. Check cement top, add cement if needed.
6. Pull 5.5" casing.
7. If unable to pull, Free point 5.5" casing, cut @ free point and TOOH with 5.5". TIH and set 100' cement plug across casing seat and 50' in/out of casing cut and displace plug. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
8. TIH to elevation 657', set 100' cement plug from 657' to 557', displace and TOOH.

03/14/2025

9. Pull 7" casing. If unable to pull, free point 7" casing, cut casing @ free point, TOOH with 7" casing.
10. TIH and set 100' cement plug across casing seat and 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
11. TOOH hole to 100', set 100' cement plug 100' to surface'.
12. 6 % Gel spacer between all cement plugs.
13. RDMO
14. Reclaim location and road to WV-DEP specifications.
15. Erect monument with API#, and date plugged.

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4710701787

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107-1523-P

03/14/2025

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29-Apr-94

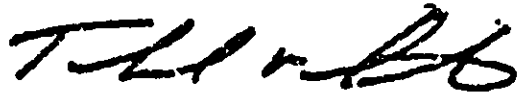
STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS
NITRO 25143
FINAL INSPECTION REPORT

Dear MARK A. SCOTT:

The FINAL INSPECTION REPORT for the permit listed below has been received in this office. Your Affidavit of Plugging was received and reclamation requirements approved. The well designated by the permit number below has been released under your bond.

Company: NATURE CONSERVANCY OF WVA.
Permit No. 47-107-01523 P
Farm: NATURE CONSERVANCY
County: WOOD

Issued On: 09/09/93
Well: MUSKINGUM IS. 2
District: WILLIAMS



Theodore M. Streit
Chief
OFFICE OF OIL AND GAS

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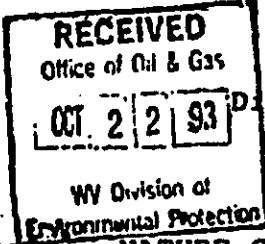
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WV Department of
Environmental Protection

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IR-26-B
09-SEP-93

47140-709-11528-7



State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

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Environmental Protection

INSPECTOR'S PERMIT SUMMARY FORM

Farm name: NATURE CONSERVANCY

Operator Well No.: MUSKINGUM IS.#2

LOCATION: Elevation: 604.00 Quadrangle: PARKERSBURG
District: WILLIAMS County: WOOD
Latitude: 2000 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 850 Feet West of 81 Deg. 30 Min. Sec.

EXISTING WELL INFORMATION:

Company: NATURE CONSERVANCY OF WVA.
723 KANAWHA BLVD, SUITE 500
CHARLESTON, WV

Agent: WILLIAM A. SHREVE

Inspector: GLEN ROBINSON
Permit Issued: 09/09/93
Plugging Commenced: 7/21/93
Plugging Completed: 7/27/93
Verbal Plugging
Permission granted on:
Rotary Cable Swain Rig
Total Depth (feet) 1000'
Fresh water depths (ft) _____

Salt water depths (ft) _____

Is coal being mined in area (Y/N) (N)
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.

PLUGGING WORK

TYPE	FROM	TO	PIPE REMOVED
Cement	997'	882'	997' of 2" FB 1/2" dia
Cement	365'	265'	365' of 2 3/8" dia
Cement	150'	Surface	
Essential records w/ H/T attached			

AFFIDAVIT RECEIVED _____ RECLAMATION SCORE _____
DATE RELEASED 9/27/93

Glen Robinson
INSPECTOR'S SIGNATURE

-----RECORD ALL VISITS TO THIS WELL ON BACK-----

03/14/2025

7/21/93 moved on hole; dug pit

7/22/93 - pulled 1000' of pipe

- shot tubing @ 992' w/ State Cement Plug

9/23/93 -> pulled 992' of tubing after 1 992' - 1892'

7/26/93 Free pointed 6 5/8" csg @ 375; shot @ 365 w/ 10 State

Run 100' Cement Plug from 365 - 265

pulled 365' of 6 5/8" csg

- drive shaft broke on counter. Repair pending

Run Cement Plug from 150' to Surface.

Attempted to pull 10" csg; pulled 120,000# but would not come!

7/27/93 Erected monument w/ A.P. # 1000

Revised Perm; moving to 47-107-1522

9/27/93 Released

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STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

47 1 07 0 17 87

WELL WORK PERMIT

This permit, issued to NATURE CONSERVANCY OF WVA. is evidence of permission granted to perform the specified well work at the location described on the attached plat, subject to the provisions of Chapters 22 and 22B of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the _____ pages attached here to. Notification shall be given to the Oil and Gas Inspector GLEN ROBINSON at 304-863-8766 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 setting plugs or pulling casing. Spills or emergency discharges must be reported to 1-800-654-3312.

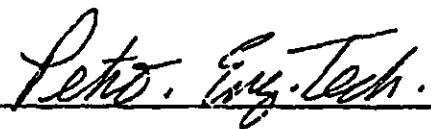
Upon completion of the plugging well work the above named operator will reclaim the site according to the provisions of WV Code 22B-1-30. The above named operator will also file as required in WV Code 22B-1-23 an affidavit on form WR-38 by two experienced persons and the Oil and Gas inspector.

Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspension or revocation of this permit and in addition may result in civil and/or criminal penalties.

Well work to be conducted under this permit shall be commenced within two (2) years from date of issue.

Theodore M. Streit
Chief

By: 

Title: 

Operator's Well No: MUSKINGUM IS.#2

Farm Name: NATURE CONSERVANCY

API Well Number : 47-107-01523 P

Date Issued : 09/09/93

Expires two (2) years from issue date.

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STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

4710701787

WELL WORK PERMIT

This permit, issued to NATURE CONSERVANCY OF WVA, is evidence of permission granted to perform the specified well work at the location described on the attached plat, subject to the provisions of Chapters 22 and 22B of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the _____ pages attached here to. Notification shall be given to the Oil and Gas Inspector GLEN ROBINSON at 304-863-8766 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 setting plugs or pulling casing. Spills or emergency discharges must be reported to 1-800-654-3312.

Upon completion of the plugging well work the above named operator will reclaim the site according to the provisions of WV Code 22B-1-30. The above named operator will also file as required in WV Code 22B-1-23 an affidavit on form WR-38 by two experienced persons and the Oil and Gas inspector.

Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspension or revocation of this permit and in addition may result in civil and/or criminal penalties.

Well work to be conducted under this permit shall be commenced within two (2) years from date of issue.

Theodore M. Streit
Chief

By: *Janice Stevens*

Title: *Petrie Eng Tech.*

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MAR 11 2025

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Operator's Well No: MUSKINGUM IS#2

Farm Name: NATURE CONSERVANCY OF WVA

API Well Number : 47-107-01523 P

Date Issued : 08/02/93

Expires two (2) years from issue date.

03/14/2025

10-91

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JUL 13 1993

Permitting
Office of Oil & Gas



1) Date: July 4th 1993 0701787
2) Operator's Well No. Muskingum Island #2
3) API Well No. 47 - 107 - 1523-P
State County Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
APPLICATION FOR A PERMIT TO PLUG & ABANDON

4) WELL TYPE: A Oil X / Gas _____ / Liquid injection _____ / Waste disposal _____
B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____)
5) LOCATION: Elevation: 604 / Watershed: Ohio / District: Williams / County: Wood / Quadrangle: 32
6) WELL OPERATOR The Nature Conservancy of WVa 7) DESIGNATED AGENT MARK SCOTT
Address: 723 Kanawha Blvd. Suite 500 / Address: _____
Charleston, WV 25537
8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) PLUGGING CONTRACTOR
Name: Glen Robinson Name: Shrove's Well Service, Inc.
Address: P.O. Box 1 / Address: Route 3 Box 164
Belleville, WV 26133 / Spencer, WV 25276

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

- 1. 6% Gel from TD to surface
- 2. Cement from 600' to 500'
- 3. Cement from 400' to 300'
(across 6 5/8" pipe cut)
- 4. Cement from 150' to surface
- 5. Set Monument with API#

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17663

OFFICE USE ONLY

PLUGGING PERMIT

mit number 47-107-1523-P

August 2nd. 19 93
Date

This permit covering the well operator and well location shown below is evidence of permission granted to plug 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 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, subject to any modifications and conditions on the reverse hereof.

Permit expires 8-2-95 unless plugging is commenced prior to that date and prosecuted with due diligence.

Bond: <u>[Signature]</u>	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casins	WPCP	OTHER: <u>[Signature]</u>
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[Signature]
7/14/93

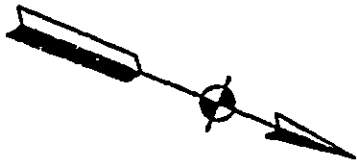
Chief, Office of Oil & Gas

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

File

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

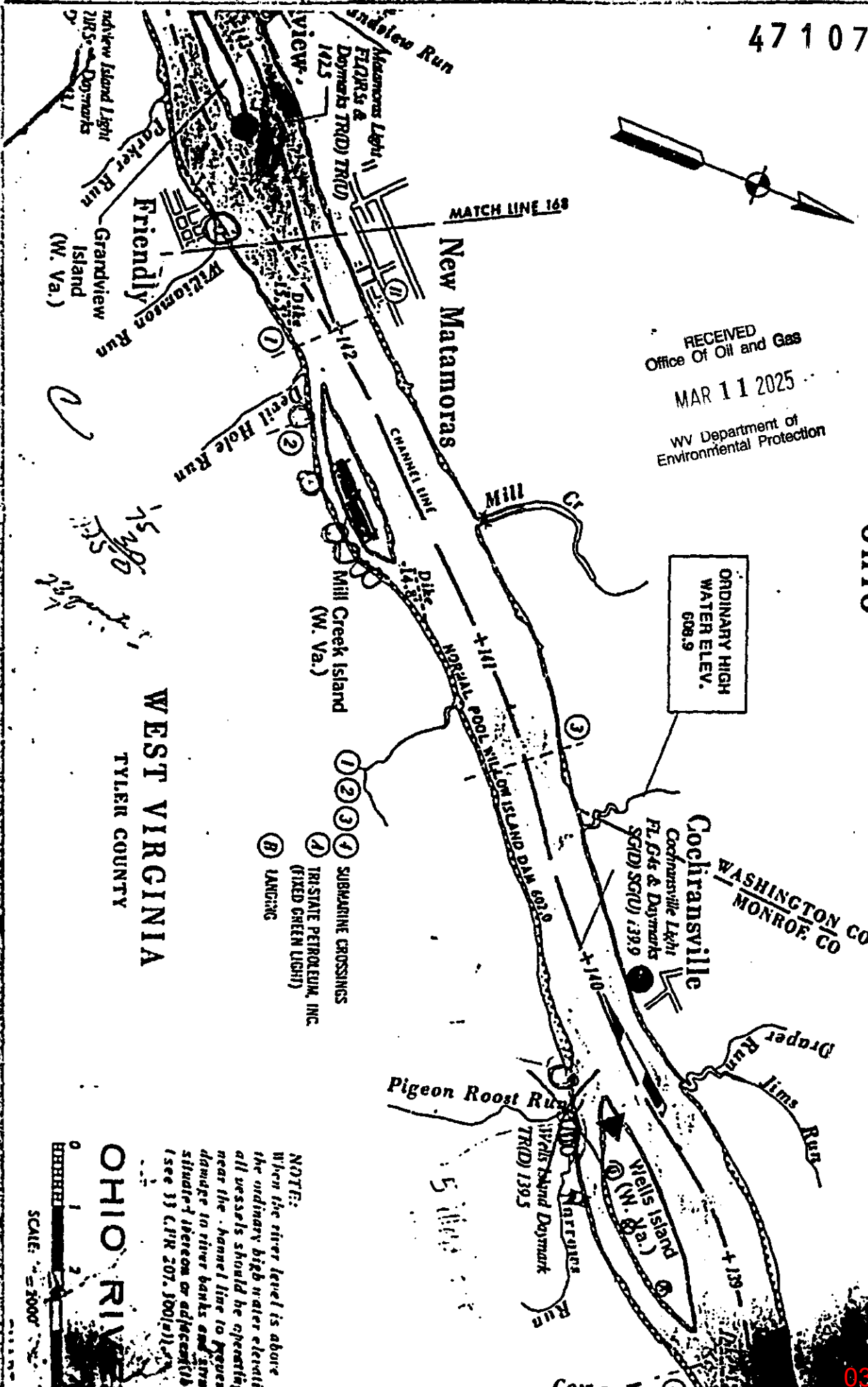
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WV Department of
Environmental Protection

OHIO

U. S. ARMY ENGINEER DISTRICT, HUNTINGTON



WEST VIRGINIA
TYLER COUNTY

ORDINARY HIGH
WATER ELEV.
608.9

WASHINGTON CO
MONROE CO

- 1 SUBMARINE CROSSINGS
- 2 TRI-STATE PETROLEUM, INC.
- 3 (FIXED GREEN LIGHT)
- 4 LANDING

NOTE:
When the river level is above
the ordinary high water elevation
all vessels should be operating
near the channel line to prevent
damage to river banks and to
situate them in or adjacent to
(see 33 CFR 207.100(a)(1))

OHIO RIVER



LATITUDE 39° 22' 30"

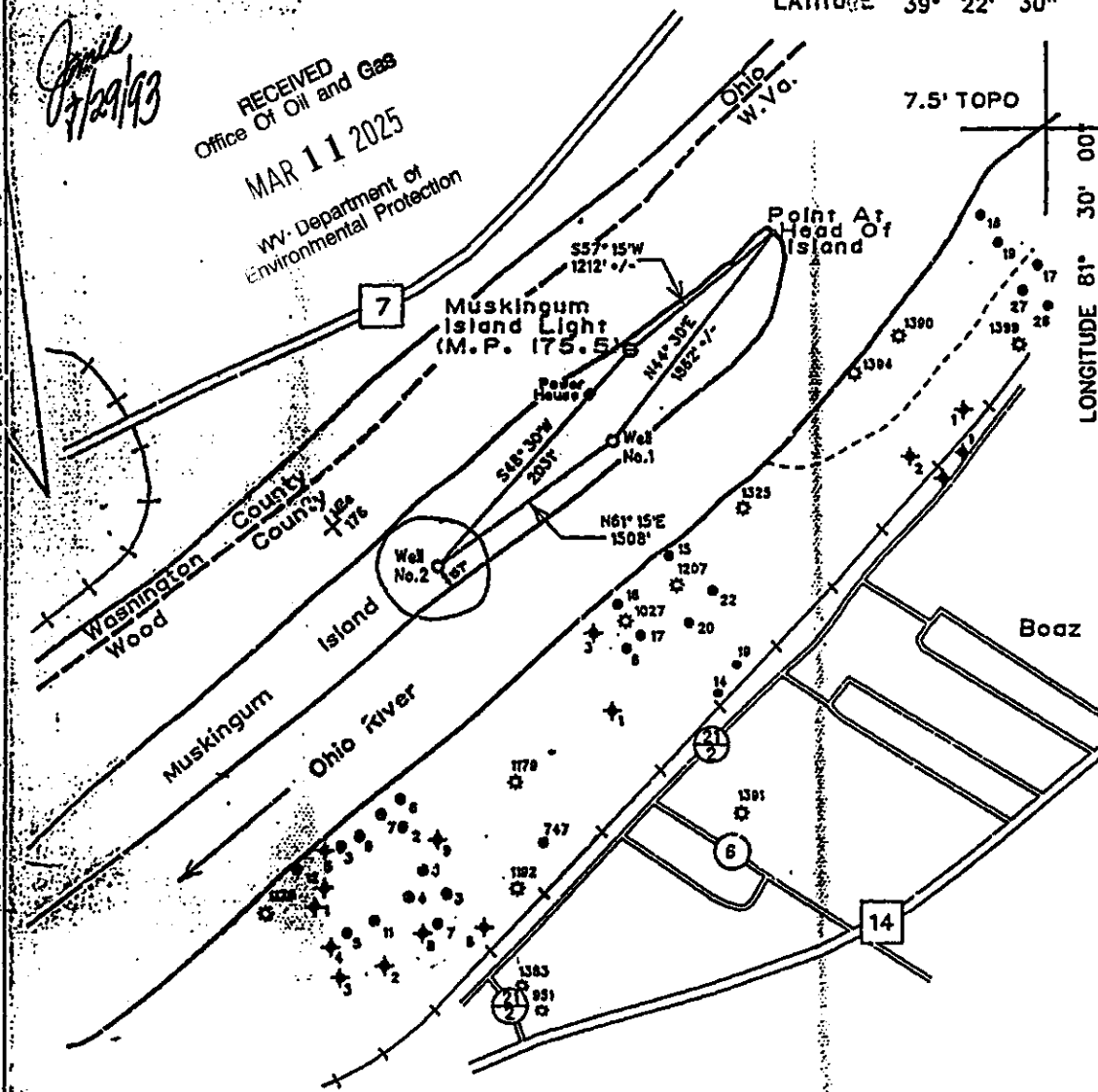
2,000'

7.5' TOPO

LONGITUDE 81° 30' 00"

April 29/193

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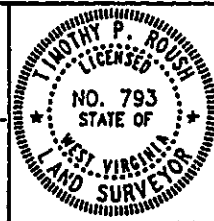


(H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 103-50
 MAP NO. N30 N S 5 E W 47
 SCALE 1"=1000'
 MINIMUM DEGREE OF
 ACCURACY 1 in 200
 PROVEN SOURCE OF
 ELEVATION Spot Elevation
on island = 607'

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) *Timothy P. Roush*
 TIMOTHY P. ROUSH PS 793



STATE OF WEST VIRGINIA
 DIVISION OF ENERGY
 OIL AND GAS SECTION



DATE July 22, 1993
 FARM Nature Conservancy NO. 2
 API WELL NO.
47-107-1523-P

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 604' WATERSHED Ohio River
 DISTRICT Williams COUNTY Wood
 QUADRANGLE Parkersburg

SURFACE OWNER The Nature Conservancy ACREAGE 27.85 Ac.
 OIL & GAS ROYALTY OWNER The Nature Conservancy LEASE ACREAGE 27.85 Ac.
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Cow Run ESTIMATED DEPTH 600' +/-
 WELL OPERATOR The Nature Conservancy DESIGNATED AGENT Mark Scott
 ADDRESS P.O. Box 3754 ADDRESS P.O. Box 3754
Charleston, W.Va. 25337 Charleston, W.Va. 25337

03/14/2025

47 1 0 7 0 1 7 8 7

TIMOTHY P. ROUSH

P.O. Box 144
Belpre, Ohio 45714
(614) 678-8078

August 11, 1993

WV D.O.E.P.
Division of Oil & Gas
10 McJunkin Road
Nitro, WV 25143-2506

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MAR 11 2025

WV Department of
Environmental Protection

Attn: Mr. Jamie Stevens

RE: Nature Conservancy Wells For P&A on Muskingum Island
Williams District, Wood County

Dear Jamie;

Enclosed is a Plat of Survey for Muskingum Island Well No.3, the third well plugged on Muskingum Island by Shreve Well Service last week.

Also enclosed is a corrected Plat for Muskingum Island Well No.1. The original Plat dated 7/22/93 incorrectly showed Muskingum Island No.4 to be Muskingum Island No.1. Well No.1 was P&A'd the week of 8/1/93 and this Plat shows its correct location as well as that of Well No.4 .

I apologize for any confusion this may have caused. If you have any further questions concerning this matter, please call me at 420-1220.

Sincerely,



Timothy P. Roush

TPR/ttt
Enclosures

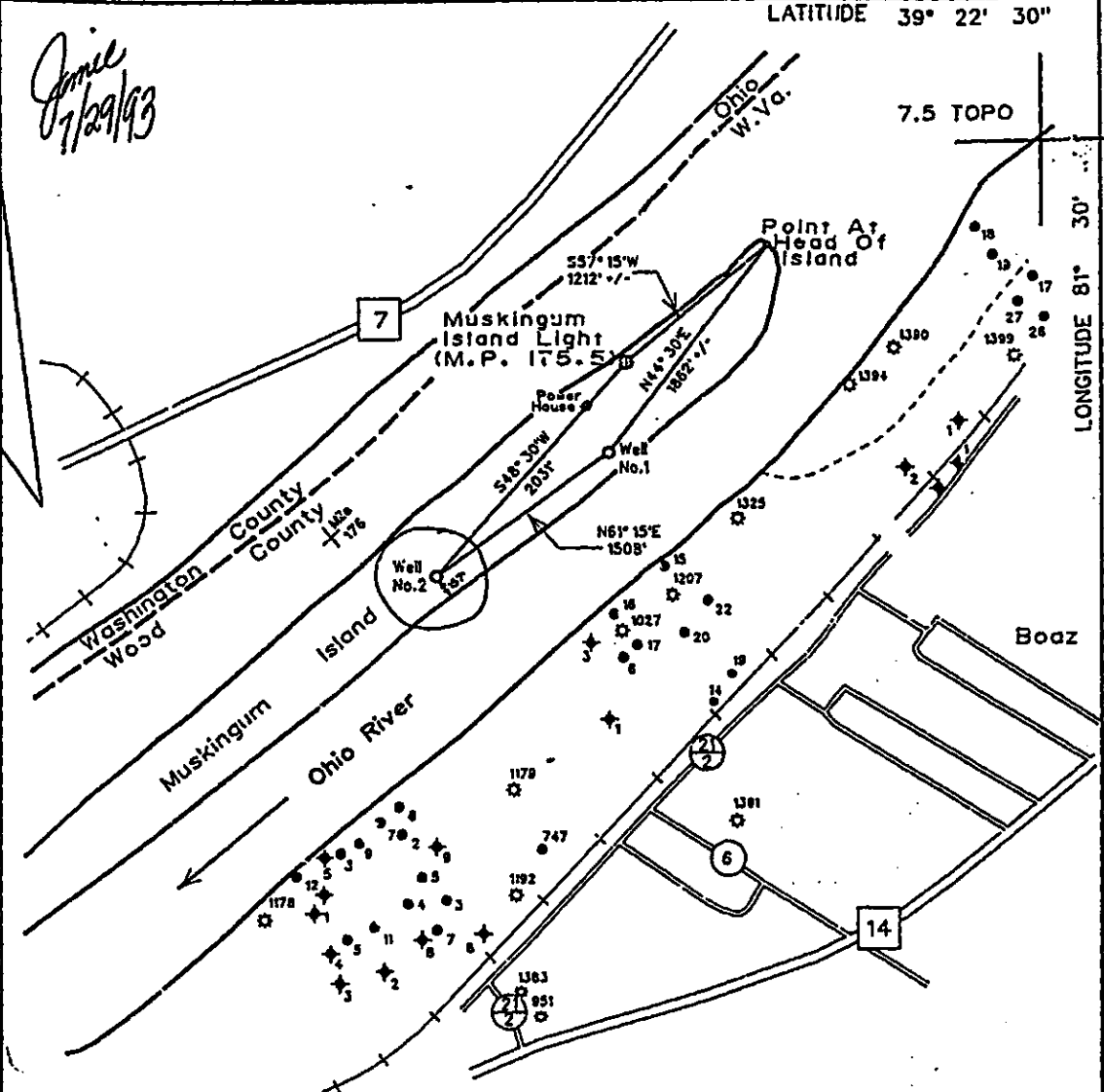
xc: Glen Robinson
Ray Bailey

03/14/2025

4710701787

LATITUDE 39° 22' 30"

2,000'



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

FILE NO. 103-50
 MAP NO. N30 N S 5 E W 47
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Spot Elevation on Island = 607'

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) Timothy P. Roush
 TIMOTHY P. ROUSH PS 793



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 MAR 11 2025
 Department of Environmental Protection

STATE OF WEST VIRGINIA
 DIVISION OF ENERGY
 OIL AND GAS SECTION



DATE July 22, 1993
 FARM Nature Conservancy NO. 2
 API WELL NO. 47-107-1523-P

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 604' WATERSHED Ohio River
 DISTRICT Williams COUNTY Wood
 QUADRANGLE Perkersburg
 SURFACE OWNER The Nature Conservancy ACREAGE 27.85 Ac.
 OIL & GAS ROYALTY OWNER The Nature Conservancy LEASE ACREAGE 27.85 Ac.
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Cow Run ESTIMATED DEPTH 600' +/-
 WELL OPERATOR The Nature Conservancy DESIGNATED AGENT Mark Scott
 ADDRESS P.O. Box 3754 ADDRESS P.O. Box 3754
Charleston, W.Va. 25337 Charleston, W.Va. 25337

FORM IV-6

WOOD 1523-P

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WV Department of Environmental Protection

State of West Virginia
Division of Environmental Protection
Office of Oil and Gas

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Office of Oil & Gas
OCT 22 1993
WV Division of Environmental Protection

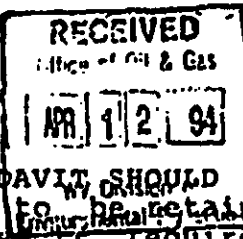
Well Plugging Inspection Report Form

API NUMBER 47-107-1523P WELL OPERATOR TNC of WVA
FARM NAME TNC WELL NUMBER #2
QUAD Lockwood DISTRICT William COUNTY WOOD
22B-1-7, 22B-1-23, 22B-1-24, 22B-1-28, 22B-1-31, 38CSR-8-13, 38CSR18-14

- | | Yes | No |
|---|-------------------------------------|------------------------------|
| 1. Was the cement and gel mixed and used in accordance with accepted industry standards? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Did the operator make changes in the permit after it was issued and were the changes approved by the inspector? | <input checked="" type="checkbox"/> | <input type="checkbox"/> NA |
| 3. Was a proper bottom cement hole plug set which completely seals the hole and set twenty feet above the producing zone? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. Were 100 ft. cement plugs set everywhere except across the coal seams? 38CSR18-13.2.4 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. Was the pipe cut at or close to the cement top, or the annular fill up and pipe pulled? 38CSR18-13.2.4. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. Was the equipment used for pulling the pipe properly sized and rigged to pull 150% of the heaviest string of pipe expected to be pulled? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Was the pipe cut at or close to the packer, shoe, or fill up above the packer and pulled? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8. Did the operator call the inspector 24 hrs before the plugging rig moved on the location and again before plugging operations began? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 9. Was latex cement used for H2S gas plugs? | <input checked="" type="checkbox"/> | <input type="checkbox"/> N/A |
| 10. Were the proper cement plugs set through minable coal seams? | <input checked="" type="checkbox"/> | <input type="checkbox"/> N/A |
| 11. Were the cement plugs set to separate saltwater, gas or oil, and saltwater, gas or oil from migrating to the fresh water bearing strata? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 12. If the fresh water casing is not cemented to surface and the casing could not be pulled, was an attempt made to squeeze cement in the vicinity of the fresh water zone? 22B-1-35 | <input checked="" type="checkbox"/> | <input type="checkbox"/> NA |
| 13. Was the proper amount of gel (according to calculations) used to gel well and displace plugs? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 14. Were accurate records of plugging and pipe recovery kept by operator and was an affidavit filed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 15. Was a monument erected over the well with an API No. attached? The monument shall consist of 6 inch pipe minimum pipe extending on less than thirty inches above the surface and not less than 10 feet into the well 38CSR-18-5.5.2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 16. Was the road and location reclaimed, seeded and mulched? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 17. Was proper drainage placed in the road? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 18. Were all fences replaced, and all gates repaired? 22B-1-30, 38CSR-18-16 | <input checked="" type="checkbox"/> | <input type="checkbox"/> NA |
| 19. Was all of the equipment removed from location? 22B-1-31, 38CSR-18-17 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 20. If the pipeline was buried and contained produce fluids, was the line flushed to prevent future leaks and spills? | <input checked="" type="checkbox"/> | <input type="checkbox"/> NA |
| 21. Was well free from leaks after plugging? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Date 9/27/93 Inspector West

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS



AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: NATURE CONSERVANCY Operator Well No.: MUSKINGUM IS.#2

LOCATION: Elevation: 604.00 Quadrangle: PARKERSBURG
District: WILLIAMS County: WOOD
Latitude: 2000 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 850 Feet West of 81 Deg. 30 Min. Sec.

Well Type: OIL X GAS

Company: The Nature Conservancy of WV
723 Kanawha Blvd Suite 502
Charleston, WV 25537

Coal Operator NO Coal
or Owner

Agent: Mark Scott

Coal Operator NO Coal
or Owner

Permit Issued: 09/09/93

AFFIDAVIT

RECEIVED
Office Of Oil and Gas

MAR 11 2025

STATE OF WEST VIRGINIA,
County of _____

ss:

Bill Shreve and Kevin Shreve being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Glen Robinson Oil and Gas Inspector representing the Director, say that said work was commenced on the 21 day of July, 1993, and that the well was plugged and filled in the following manner:

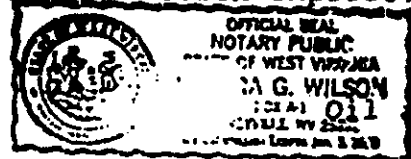
TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	992'	892'	992' 3" Tubing	=====
"	365'	265'	365' 6 1/2" Casing	=====
"	150'	Surface		
Gas Plugs (6%) between all cement plugs				

Description of monument: 6 1/8" Casing 10' in well + 3' above ground
and that the work of plugging and filling said well was completed on the 27 day of July, 1993.

And further deponents saith not.

Bill Shreve

Sworn and subscribe before me this 27th day of January, 1994
My commission expires: January 3, 2000



Kevin Shreve
Glen Robinson
Notary Public
Oil and Gas Inspector: Glen Robinson

03/14/2025

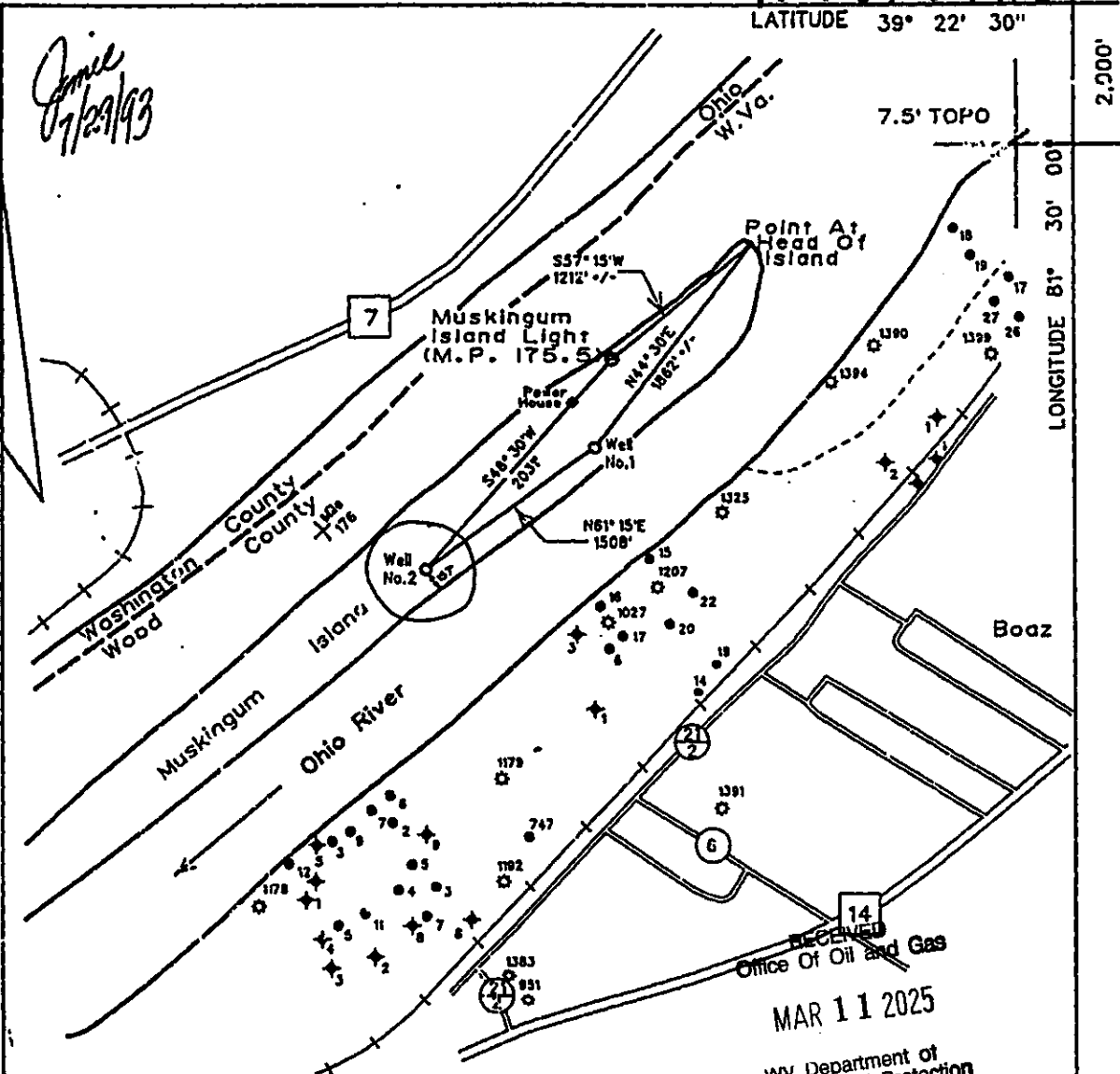
WOOD 1523-P

4710701787

LATITUDE 39° 22' 30"

2,000'

Amie
7/29/93



HH DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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Office Of Oil and Gas

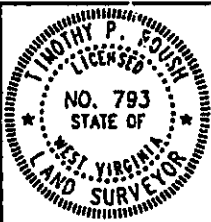
MAR 11 2025

WV Department of
Environmental Protection

FILE NO. 103-50
 MAP NO. N30 N S 5 E W 47
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Spot Elevation on Island - 607'

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) *Timothy P. Housh*
 TIMOTHY P. HOUSH PS 793



STATE OF WEST VIRGINIA
 DIVISION OF ENERGY
 OIL AND GAS SECTION



DATE July 22, 19 93
 FARM Nature Conservancy NO. 2

API WELL NO. 47-107-1523-P

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 604' WATERSHED Ohio River
 DISTRICT Williams COUNTY Wood
 QUADRANGLE Parkersburg
 SURFACE OWNER The Nature Conservancy /CREAGE 27.85 Ac.
 OIL & GAS ROYALTY OWNER The Nature Conservancy LEASE ACREAGE 27.85 Ac.
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN CUT AND REPLUG
 TARGET FORMATION Cow Run ESTIMATED DEPTH 600' +/-
 WELL OPERATOR The Nature Conservancy DESIGNATED AGENT Mark Scott
 ADDRESS P.O. Box 3754 ADDRESS P.O. Box 3754
Charleston, W.Va. 25337 Charleston, W.Va. 25337

FORM IV-6

WOOD 1523-P

03/14/2025

4710701787

1) Date: 1/28/2025
2) Operator's Well Number
2
3) API Well No.: 47 - 107 - 80646

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:	5) (a) Coal Operator
(a) Name <u>BLM/US Fish and Wildlife Servi</u>	Name <u>NONE</u>
Address <u>3982 Waverly Road</u>	Address _____
<u>Williamstown, WV 26187</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>April Lawson</u>	(c) Coal Lessee with Declaration
Address _____	Name _____
_____	Address _____
Telephone <u>6819906944</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.

RECEIVED
Office Of Oil and Gas
MAR 11 2025
WV Department of
Environmental Protection

Well Operator BLM/US Fish and Wildlife Service
 By: Victor Flam
 Its: Refuge Manager
 Address 3982 Waverly Road
Williamstown, WV 26817
 Telephone 304-875-2923

Subscribed and sworn before me this 7th day of March
Michele E Martin
My Commission Expires April 18 2024



MICHELE E MARTIN
NOTARY PUBLIC
STATE OF OHIO
Comm. Expires
April 18 2024

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 denrivacvofficer@wv.gov.

03/14/2025

SURFACE OWNER WAIVER

47 1 0 7 0 1 7 8 7

Operator's Well
Number

4710780646

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

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WV Department of
Environmental Protection

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,

Signature

Date

Name
By
Its

U.S. Fish and Wildlife Service
Victor Flam
Refuge Manager
Victor G. Flam
Signature

Date *3/7/25*
3/7/25
Date

03/14/2025

4710701787

WW-9
(5/16)

API Number 47 - 107 80646
Operator's Well No. _____

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

Operator Name BLM/US Fish and Wildlife Service OP Code _____
Watershed (HUC 10) Ohio River Quadrangle Valley Mills

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/allocation)
- Other (Explain _____)

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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. n/a

-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 Victor G. Elam
Company Official (Typed Name) Victor Elam
Company Official Title Refuge Manager

Subscribed and sworn before me this 7th day of March
Michele E Martin

My commission expires April 18 2026



MICHELE E MARTIN
NOTARY PUBLIC
STATE OF OHIO
Comm. Expires
April 18 2026

03/14/2025

Proposed Revegetation Treatment: Acres Disturbed Less than 1 Prevegetation pH unknown

Lime N/A Tons/acre or to correct to pH _____

Fertilizer type N/A

Fertilizer amount N/A lbs/acre

Mulch N/A Tons/acre

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Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Ernest Seeds

Ernest Seeds

Mesic to Dry Native Pollinator Mix

Mesic to Dry Native Pollinator Mix

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: April Lawson

Comments: The Fish and Wildlife Services will complete the reclamation according to their standards.

Lime and Fertilizer is not necessary and FSW will use mulch already there from clearing trails.

Native trees will planted at 12' intervals with various maple, oak and river birch species

Follow E&S Control Plan

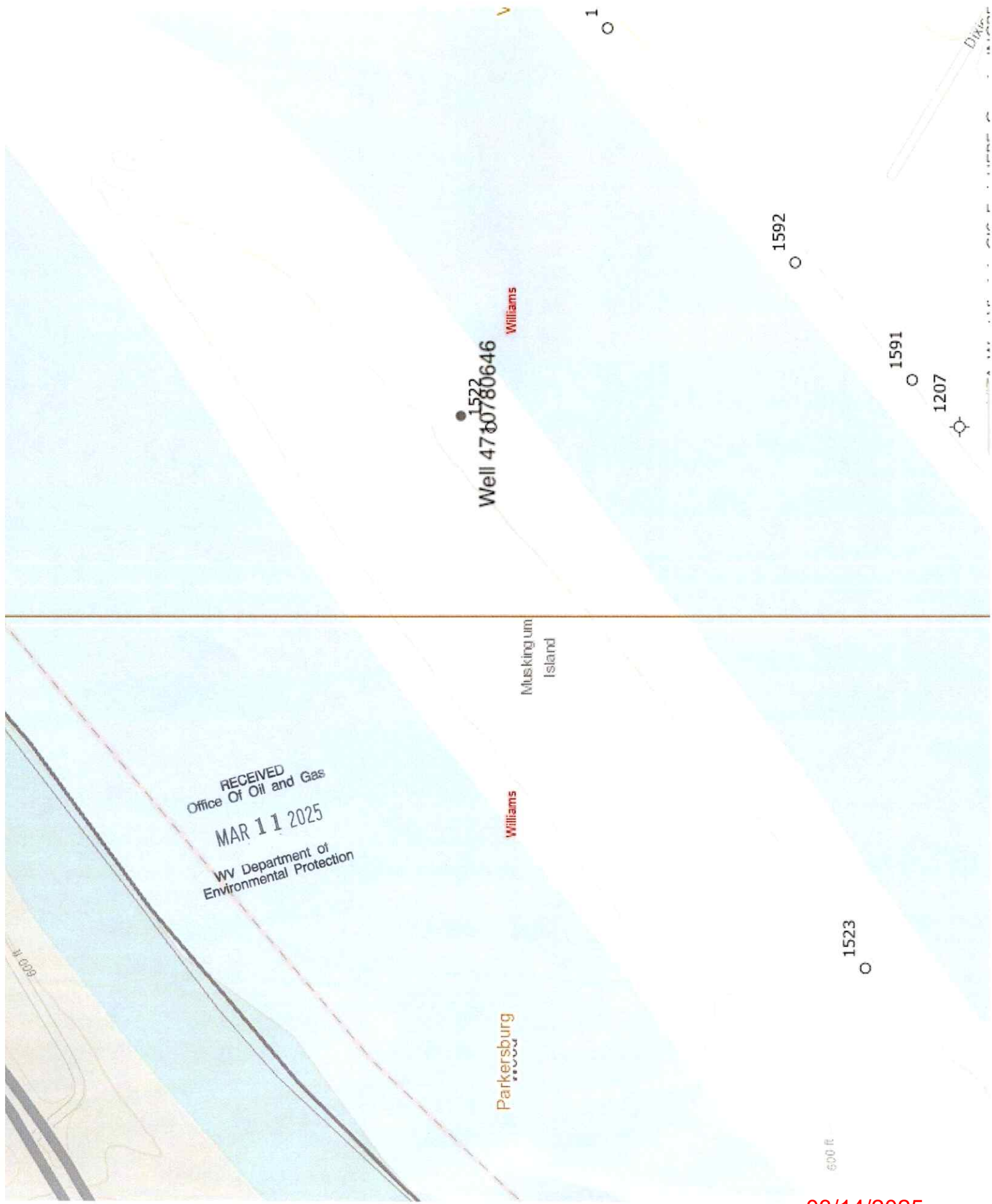
Title: OOG Inspector

Date: _____

Field Reviewed? () Yes () No

April Lawson
Digitally signed by: April Lawson
DN: CN = April Lawson email =
april.n.lawson@wv.gov C = US
Date: 2025.03.10 09:11:28 -04'00'

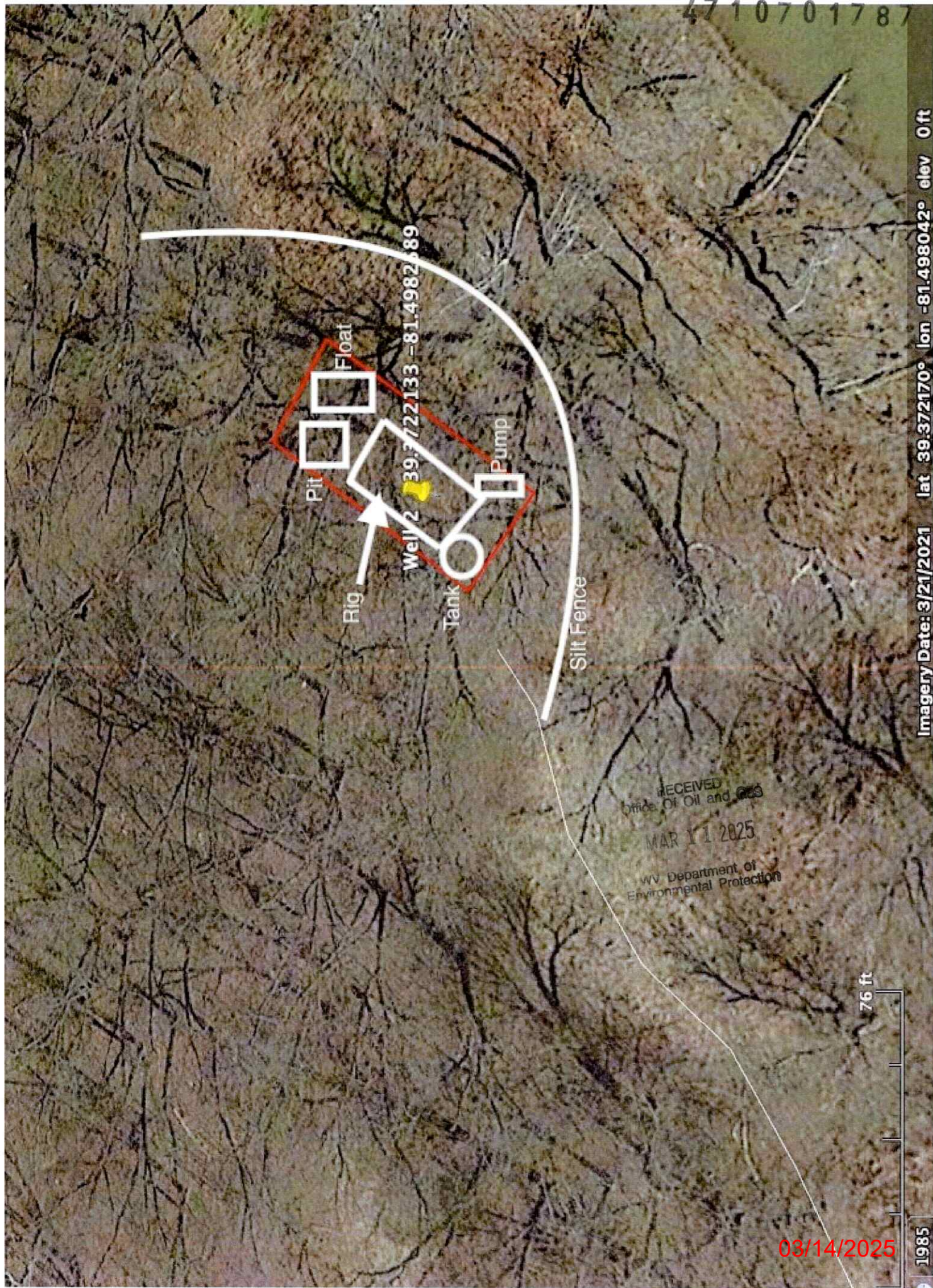
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 Environmental Protection

600 ft

4710701787



Pit

Float

Rig

Well#2 39.722133 -81.498289

Tank

Pump

Silt Fence

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76 ft

03/14/2025

1985

Imagery Date: 3/21/2021 lat 39.372170° lon -81.498042° elev 0 ft



3/2021
2024

1985

222 ft

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Ohio River

Google Earth

eye alt 1021 ft

Imagery Date: 3/21/2021 39°22'21.76" N 81°30'01.77" W elev 0 ft

03/14/2025

1985

47 107 017 87

30X100 pad
47-107-80546
Well 2 39.3722133 -81.4982589

Rig Access from Barge

39.371292, -81.498984

Path to first well

60X20 drop off

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-107-80646 WELL NO.: 2

FARM NAME: BLM/US Fish and Wildlife Service

RESPONSIBLE PARTY NAME: Hydrocarbon Well Services, Inc.

COUNTY: Wood DISTRICT: Williams

QUADRANGLE: Valley Mills

SURFACE OWNER: BLM/US Fish and Wildlife Service

ROYALTY OWNER: BLM/US Fish and Wildlife Service

UTM GPS NORTHING: 4358201.16

UTM GPS EASTING: 457081.7 GPS ELEVATION: 602'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____: Post Processed Differential ____

Real-Time Differential ____

Mapping Grade GPS ____: Post Processed Differential ____

Real-Time Differential ____

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data 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 Office of Oil and Gas.


Signature

OOG Inspector
President
Title

3/1/2025
Date

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Office Of Oil and Gas

MAR 11 2025

WV Department of
Environmental Protection

4710701787



2934 Old Weston Road, PO Box 995
Buckhannon, WV 26201
(304) 472-9600
Fax: (304) 472-9603
hydrocarbon@hydrocarbonwell.com
www.hydrocarbonwell.com

March 10, 2025

Office of Oil and Gas
WV DEP
ATTN: Jeff McLaughlin and James Kennedy
601 57th Street SE
Charleston, WV 25304

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Office Of Oil and Gas

MAR 11 2025

WV Department of
Environmental Protection

Dear Mr. McLaughlin and Mr. Kennedy:

Please find enclosed our plugging permit to plug this well on Muskingum Island. Once this looks good, I will send in the other 7 that will be similar. We were told these already had an API. However, if it turns out this well does not, feel free to edit the API on the pages and change it as you see fit.

Let me know if you have any questions. My cell: 3049932272 and email: brian.jarvis@hydrocarbonwell.com.

Sincerely yours,

A handwritten signature in black ink that reads "Brian M. Jarvis". The signature is written in a cursive, flowing style.

Brian Jarvis, Esq. L.LM

03/14/2025



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

plugging permit issued 4710701787

1 message

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


Fri, Mar 14, 2025 at 2:35 PM

To: victor_elam@fws.gov, Brian Jarvis <brian.jarvis@hydrocarbonwell.com>, April N Lawson <april.n.lawson@wv.gov>, dnohe@woodcountywv.com

To whom it may concern, a plugging permit has been issued for 4710701787.

James Kennedy

WVDEP OOG

 **4710701787.pdf**
2993K

03/14/2025