



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

Thursday, October 24, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

UPLAND RESOURCES, INC.
300 PRATT STREET

LUKE, MD 215400000

Re: Permit approval for 1
47-057-00048-00-00

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: 1
Farm Name: FERTIG, WENDEL
U.S. WELL NUMBER: 47-057-00048-00-00
Vertical Plugging
Date Issued: 10/24/2024

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.

4705700048P
~~4705700054P~~

PLUGGING CONTRACTORS NOTE

According to DEP records, Upland Resources permitted and drilled well known as W. Fertig # 1 which was assigned API # 47-057-00048, on a 107-acre tract that was a part of a 427-acre lease.

Upland Resources permitted and drilled well known as W. Fertig # 3 which was assigned API # 47-057-00054, on a 35.4-acre tract / lease.

On December 16, 1982, Upland Resources plugged the Fertig # 3 well, HOWEVER the API listed on the Plugging Permit at that time was inadvertently listed as 47-057-00048.

Per field review, it is apparent that API 47-057-00048, being the Fertig # 1 is NOT plugged, and that the Fertig # 3 API 47-057-00054 is plugged.

DEP request that API # 47-057-00054 be used on the Plugging Permit of the Fertig # 1 which actual API # is 47-057-00048.

Attached are completion report for Fertig # 1 API 47-057-00048.

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10/25/2024

Oil&Gas

Wells, Horizontal Only

WellStatus

- Active Well
- Permit Issued
- Permit Application
- Plugged

Wells, Active Status Only

WellUse

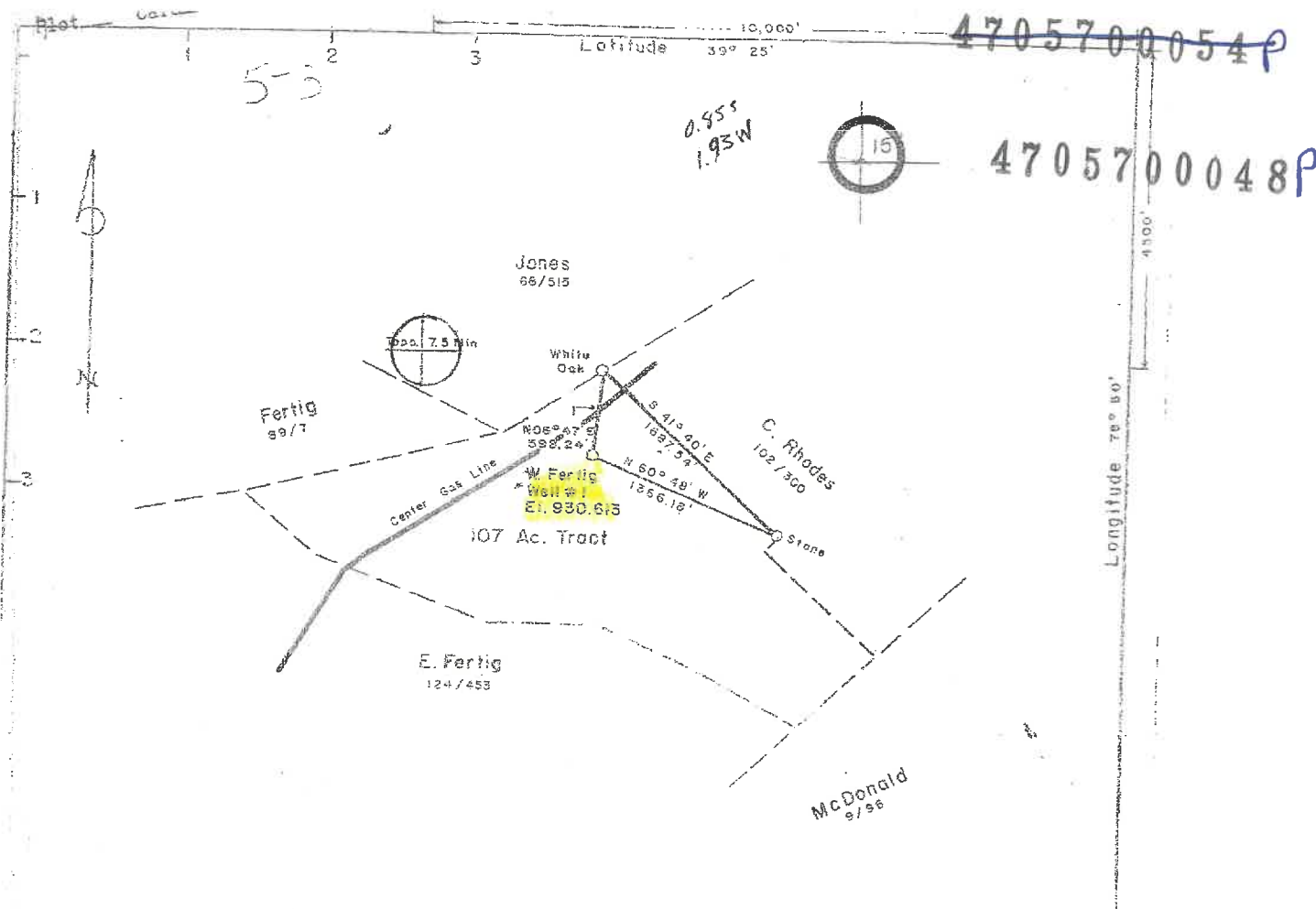
- Brine Disposal
- Fluid Injection
- Gas Production
- House Gas
- Observation
- Oil Production
- Production
- Solution Mining
- Storage
- Vent
- <all other values>

Wells, Other than Active Status

WellUse

- Brine Disposal
- Fluid Injection
- Gas Production
- House Gas
- Observation
- Oil Production
- Production
- Solution Mining

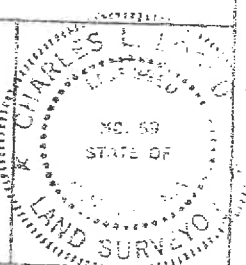




Surface & Minerals
 Wendell Fertig
 143/433
 Tax Map CR 14-6

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION B.M. Bridge over Patterson Creek at Reeses Mill

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) [Signature]
 R.P.E. _____ I.L.S. 69



+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 ORM IV-6
 378)

LATE Aug 29, 1980
 OPERATOR'S WELL NO. _____
 API WELL NO. 057
 WV - Mineral - 0048
 STATE COUNTY

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

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 PERMIT Office of Oil and Gas
 AUG 16 2024
 WV Department of Environmental Protection

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 930.613' WATERSHED Patterson Creek
 DISTRICT Cabin Run COUNTY Mineral
 QUADRANGLE Headsville Keyser 15
 SURFACE OWNER Wendell & Jessie B. Fertig ACREAGE 427
 OIL & GAS ROYALTY OWNER Wendell & Jessie B. Fertig LEASE ACREAGE 427
 LEASE NO. _____
 PROPOSED WORK: DRILL X 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 Oriskany Sand ESTIMATED DEPTH 2600
 WELL OPERATOR Upland Resources DESIGNATED AGENT Huntley B. Huntley
 ADDRESS 1700 Benedum - Tree Building ACT 17 1980

10/25/2024

~~4705700054P~~

1) Date March 1, 2024

~~4705700048P~~

2) Operator's

Well No. W. Fertig 1

3) API Well No. 47-65-600-1

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

5) Location: Elevation 930.613 Watershed Patterson Creek
District Cabin Run County Mineral Quadrangle Keyser

6) Well Operator Upland Resources 7) Designated Agent Larry A. Johnson
Address 300 Pratt Street Address 300 Pratt Street
Luke, MD 21540 Luke, MD 21540

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gayne Knitowski Name Stalnaker Energy
Address 21 Energy Way Address P.O. Box 178
Gormanian, WV 26720 Glenville, WV 26351

10) Work Order: The work order for the manner of plugging this well is as follows:
SEE ATTACHED PLUGGING PROCEDURE.

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

Work order approved by inspector Gayne Knitowski, Inspector Date 8-13-2024

Digitally signed by Gayne Knitowski, Inspector
Date: 2024.08.13 09:49:48 -0400

10/25/2024

PLUGGING PROCEDURE

Fertig #1

API #47-057-00048

Elevation 930'

DATA:

4-1/2" Casing to 2600', CTS
 8 5/8", 24#/ft Casing – 400', CTS
 Bridge Plug – 2535'
 Perforations – 2445' to 2534'
 Frac Plug – 2430'
 Perforations – 2352' to 2406'

CAPACITIES:

2-3/8" EUE Tubing – .0039 bbl/ft
 4-1/2" Casing – .0163 bbl/ft, .0912 cuft/ft
 7 7/8" O.H. – .0602 bbl/ft, .3383 cuft/ft
 8 5/8" Casing – .0637 bbl/ft, .3576 cuft/ft

PRODECURE:

1. Check and record pressure on 4 1/2" casing and 8 5/8" casing.
2. Blow well down to flat tank. If well will not blow down, perform top kill with 6% gel. Approximately 44 bbls.
- 2a. REMOVE FRAC PLUG (2430.)
3. Rig up JU head and run 2 3/8" EUE tubing to Bridge Plug, estimated 2535'. Load hole with 6% gel, if not already loaded.
4. Set 400' Cement Plug from ~~TD~~ to 2300' ^{BRIDGE PLUG} 2535' - 2135' ^{9MM}
 - a. 35.3 cu ft, 30 Sacks of Class A with 2% CaCl₂ + 10% excess.
 - b. Displace With 9 Bbls of 6% gel to balance plug.
5. Pull tubing to 2000', reverse circulate 9 bbls of water till clean. Shut in. WOC.
6. Tag plug. If lower than ^{2135'} ~~2300'~~, top off with cement.
7. Trip out with 2 3/8" EUE to 981' and set elevation plug from 980' to 88'.
 - a. 9.3 cu ft, 8 Sacks of Class A with 2% CaCl₂ + 10% excess.
 - b. Displace with 2 bbls of 6% gel to balance plug.
8. Pull tubing to 450' and set 8 5/8" Casing Shoe/Freshwater/Surface plug. From 450' to surface.
 - a. 41 cu ft, 36 Sacks of Class A with 2% CaCl₂
9. Slowly trip out pipe, top off with cement, set monument with minimum 6" diameter pipe, 36" up, with company name, well name, API#, and plug date, welded on steel plate.
10. Rig out, move off, reclaim.

TOTAL CEMENT – 74 Sacks

6% Gel – 60 bbls

Water Required – 101 bbls

Returned – Disposed Fluid – 58 Bbls Gel/Cement water plus wellbore fluid.

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10/25/2024



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IV-35
(Rev 8-81)

Date October 8, 1981
Operator's
Well No. 1
Farm Fertig
API No. 47 - 057 - 0048

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OCT 13 1981

State of West Virginia
Department of Mines
Oil and Gas Division

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES
WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 930 Watershed Patterson Creek
District: Cabin Run County Mineral Quadrangle Headsville

COMPANY Upland Resources %Westvaco

ADDRESS 299 Park Ave., N.Y., N.Y. 10017

DESIGNATED AGENT T. Brady

ADDRESS P.O. 1016, Keyser, W.Va.

SURFACE OWNER Wendall Fertig

ADDRESS Rt. 1, Keyser, W.Va. 26726

MINERAL RIGHTS OWNER Same as above

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK

R. Stewart ADDRESS Jane Lew, W.Va.

PERMIT ISSUED

DRILLING COMMENCED 10/27/80

DRILLING COMPLETED 12/3/80

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	400	400	surface
7			
5 1/2			
4 1/2		2725	
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Sandstone Depth 2570 feet

Depth of completed well 2735 feet Rotary / Cable Tools XXX

Water strata depth: Fresh 80 & 174 feet; Salt feet

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

OPEN FLOW DATA

Producing formation Marcellus & Needmore Shale Pay zone depth 2352-2534 feet

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

Final open flow 20 Mcf/d Final open flow -- Bbl/d

Time of open flow between initial and final tests -- hours

Static rock pressure -- psig (surface measurement) after -- 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 hours

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

10/25/2024

(Continue on reverse side)

4705700048P

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

Bridge Plug at 2535'
 Perforated at 2445-2534; 16 shots; 1st stage
 Frac Plug at 2430
 Perforated at 2352-2406, 18 shots; 2nd stage
 Fractured the first stage with 790,000 SCF of Nitrogen
 Fractured the second stage with 840,000 SCF of Nitrogen

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sandstone & Shale			0	2240	
Parcel Member of the Marcellus Shale			2240	2336	
Lower Marcellus Shale			2336	2425	
Tioga Bentonite			2425	2442	
Needmore Shale			2442	2570	
Oriskany Sandstone			2570	2700	Show of Gas
Helderberg Limestone			2700	2735	

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(Attach separate sheets as necessary)

Upland Resources

Well Operator

Agency Energy Omega, Inc.

By: *Margie Wells*

Date: October 8, 1981

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

10/25/2024

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

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

Well No. 057-0048

Oil or Gas Well GAS

Company <u>UPLAND Resources</u>	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
Address <u>PITTS PA</u>	Size			
Farm <u>Wendell FERTIG</u>	16			Kind of Packer
Well No. <u>#1</u>	12			
District <u>CABIN RUN</u> County <u>MINERAL</u>	10	<u>3 7/8</u>	<u>400 FT</u>	Size of
Drilling commenced <u>10-29-80</u>	04			Depth set
Drilling completed _____ Total depth _____	5.3 18			
Date shot _____ Depth of shut _____	4			Perf top
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf top
Volume _____ Cu. Ft.				Perf bottom
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED <u>3 7/8</u> SIZE <u>400</u> No. FT. _____ Date <u>11-3-80</u>			
Oil _____ bbls., 1st 31 lbs.	NAME OF SERVICE COMPANY <u>HALLIBURTON</u>			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES

Drillers' Names BRADY FIG-2

Remarks: DR 16 @ 1117

11-15-80

Robert Stewart 10/25/2024 571

4705700048

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OCT 31 1980

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

INSPECTOR'S WELL REPORT OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well GAS

Permit No. 057-0048

Company UPLAND Resources
 Address PITTS PA
 Farm Wendell FERTIG
 Well No #1
 District CABIN RUN County MINERAL
 Drilling commenced 10-29-80
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shut _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs _____ hrs
 Oil _____ bbls. 1st 24 hrs
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
6 1/2			
6 3/8			Depth set
3			Perf top
2			Perf bottom
Liners Used			Perf top
			Perf bottom

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

Drillers' Names BRADY Rig-2

Remarks: move Rig SPUD

10-29-80

10/25/2024
Robert Shuman

4705700048P

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WW-4A
Revised 6-07

1) Date: 3/1/2024
2) Operator's Well Number
W. Fertig 1

3) API Well No.: 47 - ~~057~~ - ~~00054~~

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>Garrett Fertig and Cindy Fertig</u>	Name <u>N/A</u>
Address <u>P.O. Box 427</u>	Address _____
<u>Romney, WV 26757</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>21 Energy Way</u>	Name _____
<u>Gorman, WV 26720</u>	Address _____
Telephone <u>304-546-8171</u>	_____

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WV Department of
Environmental Protection

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 Upland Resources
 By: [Signature]
 Its: Environmental Manager
 Address 300 Pratt Street
Luke, MD 21540
 Telephone 301-268-9659

SARA R. FLEMING
 Notary Public-Maryland
 Allegany County
 My Commission Expires
 September 20, 2025

Subscribed and sworn before me this 19 day of April 2024
[Signature] Notary Public
 My Commission Expires 9/20/25

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.

10/25/2024

SURFACE OWNER WAIVER

4705700048P
~~4705700054P~~

Operator's Well
Number

W. Fertig 1

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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Office of Oil and Gas

AUG 16 2024

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 7-24-24 Name _____
By _____
Its _____

Date

Signature

10/25/2024
Date

WW-9
(5/16)

4705700048 P
~~4705700054 P~~

API Number 47 ~~067~~ ~~00054~~
Operator's Well No. _____

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

Operator Name Upland Resources OP Code _____

Watershed (HUC 10) Patterson Creek Quadrangle Keyser

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 34-009-23572)
- 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: Yes, fluids stored in tanks, cuttings taken to landfill.

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. 6% Freshwater Gel

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

Additives to be used in drilling medium? _____

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

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

-Landfill or offsite name/permit number? Meadowfill Landfill Permit #SWF-1032-98; Wetzel Co. Landfill Permit #SWF-1021; Northwestern Landfill Permit #SWF-1025

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 Larry A. Johnson RECEIVED
Office of Oil and Gas
AUG 16 2024

Company Official (Typed Name) Larry A. Johnson

Company Official Title Environmental Manager WV Department of
Environmental Protection

Subscribed and sworn before me this 19 day of April, 2024

Sara Fleming Notary Public

My commission expires 9/20/25

SARA R. FLEMING
Notary Public-Maryland
Allegany County
My Commission Expires
September 20, 2025

10/25/2024

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH 5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Ryegrass	40	Crownvetch	10
Field Bromegrass	40	Tall Fescue	30

*or type of grass seed requested by surface owner.

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: Gayne Knitowski, Inspector
Digitally signed by Gayne Knitowski, Inspector
Date: 2024.08.13 09:48:17 -0700

Comments: _____

Title: Inspector Date: 8-13-2024

Field Reviewed? () Yes () No

4705700048P

~~4705700054P~~
Page 1 of 2

WW-9- GPP
Rev. 5/16

API Number 47 - 057 - 00054
Operator's Well No. W FERTIG NO. 1

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

Operator Name: Upland Resources

Watershed (HUC 10): PATTERSON CREEK Quad: Keyser

Farm Name: FERTIG

- 1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

SEE ATTACHCO

- 2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

- 3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

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WV Department of
Environmental Protection

- 4. Summarize all activities at your facility that are already regulated for groundwater protection.

- 5. Discuss any existing groundwater quality data for your facility or an adjacent property.

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4705700048 P
~~4705700054 P~~

WW-9- GPP
Rev. 5/16

Page 2 of 2
API Number 47 - _____ - _____
Operator's Well No. _____

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

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8. Provide provisions and frequency for inspections of all GPP elements and equipment.

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Environmental Protection

Signature: _____

Date: _____

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4705700048P
~~4705700054P~~

The following is an attachment made hereto and a part of the Groundwater Protection Plan (Form WW-9-GPP) for the Application to Plug and Abandon the Upland Resource's – W. Fertig No. 1 well located in Mineral County, West Virginia, and further identified as ~~API 47-057-00054.~~

4705700048P

1.
 - A. Prior to moving earth for well plugging, establish erosion and sediment controls.
 - B. Build site and install cellar box 4'X4' or 6'X6' if necessary, cement bottom to contain borehole fluids.
 - C. Contain site with 10oz Rock Guard and 40 mil HD plastic, berm site with 10" Foam berm.
 - D. Install matting onsite where plugging equipment can comprise containment.
 - E. During plugging process, pump all fluids to roll off tanks – to be taken to disposal.
2.
 - A. Established erosion control materials will be 8" silt sock or Greenband Silt Fence.
 - B. All effluent during plugging process will be put in steel roll off tanks, all effluent on containment plastic will be pumped from cellar box to steel roll off tanks.
 - C. Fiberglass rig mats 7'X14' will keep equipment from puncturing containment liner.
 - D. After plugging of well is complete, liner material and cellar will be removed and sent to the appropriate disposal facility.
3. The closest water body is Left Fork, being a tributary of Sandy Creek – approximately 2000 feet from location. All fluids will be discharged into steel roll off tanks on location – which tanks will be removed from location and sent for proper disposal.
4. Non-Applicable
5. Non-Applicable
6. During the plugging process, the only deicing material that could possibly be used would be salt, and if used would be contained in the steel roll off tanks and sent to disposal. Our location setup prior to the plugging will control all effluents and allow all effluents to be contained in steel roll off boxes.
7. Stalnaker Energy Services, LLC will provide a certified containment crew to the site to build containment system. This crew is employed by Stalnaker Energy.
8. A daily inspection of GPP will occur during plugging process. If a rain event occurs while rig crew is not working, an inspection will be conducted to address stormwater. All E&S controls will be maintained until reclamation of site is complete and 70% vegetation is established.

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Oil&Gas

Wells, Horizontal Only

WellStatus

-  Active Well
-  Permit Issued
-  Permit Application
-  Plugged







Wells, Active Status Only

WellUse

-  Brine Disposal
-  Fluid Injection
-  Gas Production
-  House Gas
-  Observation
-  Oil Production
-  Production
-  Solution Mining
-  Storage
-  Vent
-  <all other values>

Wells, Other than Active Status

WellUse

-  Brine Disposal
-  Fluid Injection
-  Gas Production
-  House Gas
-  Observation
-  Oil Production
-  Production
-  Solution Mining



begin date end date rainfall total update

10/25/2024

Oil&Gas

Wells, Horizontal Only

WellStatus

-  Active Well
-  Permit Issued
-  Permit Application
-  Plugged

Wells, Active Status Only

WellUse

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-  House Gas
-  Observation
-  Oil Production
-  Production
-  Solution Mining
-  Storage
-  Vent
-  <all other values>

Wells, Other than Active Status

WellUse

-  Brine Disposal
-  Fluid Injection
-  Gas Production
-  House Gas
-  Observation
-  Oil Production
-  Production
-  Solution Mining



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4705700048P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-057-00048 WELL NO.: W. Fertig 1

FARM NAME: Wendell & Jessie B. Fertig

RESPONSIBLE PARTY NAME: Upland Resources

COUNTY: Mineral DISTRICT: Cabin Run

QUADRANGLE: Keyser

SURFACE OWNER: Garret Fertig and Cindy Fertig

ROYALTY OWNER: Garret Fertig and Cindy Fertig

UTM GPS NORTHING: ~~4363801~~ 4363817

UTM GPS EASTING: ~~687511~~ 683534 GPS ELEVATION: ~~955~~ 930'

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:

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

Survey grade GPS : Post Processed Differential

Real-Time Differential

Mapping Grade GPS : Post Processed Differential

Real-Time Differential

- 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.

Henry A. Johnson, Env. Mgr.
Signature Title

4/19/24
Date

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47-057-00048

Write a description for your map.

Legend

 17 s 683534 4363817

 17 s 683534 4363817

4705700048



40 m

10/25/2024

Google Earth

Image Landsat / Copernicus

Image © 2024 Airbus

Image © 2024 CNES / Airbus

Untitled Map

API NO. 47-057-00054

Legend 2016 VIEW

📍 17 s 683511 4363801

4705700054



40 m

📍 17 s 683511 4363801

10/25/2024

Google Earth

SUBMITTED AS 4705700054

00054

ISSUED AS → (00048)

4705700048

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 *ATTACHED BUT NOTHING WILL BE APPLIED TO LAND*

RECENT MYLAR PLAT OR WW-7

WELL RECORDS/COMPLETION REPORT *00048*

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

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Environmental Protection

J MILLER@STANAKOR ENERGY.COM

10/25/2024