

02/23/2023



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

Tuesday, January 24, 2023
WELL WORK PLUGGING PERMIT
Vertical Plugging

UNKNOWN - DEP PAID PLUGGING CONTRACT
601 57TH STREET

CHARLESTON, WV 25304

Re: Permit approval for 1
47-101-00041-00-00

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: HOWARD, H. F.
U.S. WELL NUMBER: 47-101-00041-00-00
Vertical Plugging
Date Issued: 1/24/2023

Promoting a healthy environment.

02/03/2023

02/23/2023



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

plugging permits issued 4710100014 10100022 10100029 10100041

1 message

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

Tue, Jan 24, 2023 at 2:23 PM

To: Jeremy E James <jeremy.e.james@wv.gov>, Henry J Harmon <henry.j.harmon@wv.gov>, Austin Sutler <asutler@dgoc.com>, cochran@assessor.state.wv.us

To whom it may concern, plugging permits have been issued for 4710100014 10100022 10100029 10100041.

James Kennedy

WVDEP OOG

8 attachments

IR-8 4710100014.pdf
120K

4710100014.pdf
4649K

IR-8 4710100022.pdf
120K

IR-8 4710100029.pdf
120K

4710100022.pdf
4205K

IR-8 4710100041.pdf
120K

4710100029.pdf
4459K

4710100041.pdf
3931K

02/03/2023

PERMIT CONDITIONS 47.10100041 ^{02/23/2023}

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.

02/03/2023

471010000223/2023
1) Date December 30, 2022
2) Operator's
Well No. H.F. Howard No. 1
3) API Well No. 47-101 - 00041

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 ___ / Shallow X

5) Location: Elevation 2283' Watershed Big Ditch Run
District Cowen Corp. County Webster Quadrangle Cowen 7.5'

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

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Jeremy James Name Next LVL Energy
Address P.O. Box 36 Address 104 Heliport Loop
Clendenin, WV 25045 Bridgeport, WV 26330


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

RECEIVED
Office of Oil and Gas

JAN 20 2023

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  Date 1-11-23

02/03/2023

B-1

02/23/2023



4710100041

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Contract Cover
Permit No. WV-41 **WELL RECORD** Oil or Gas Well Gas

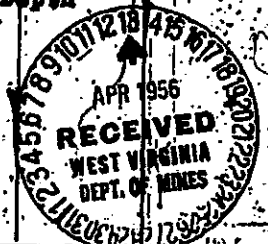
Company Gregory Gas Co.
Address Cassaway, W. Va.
Farm H. F. Howard Act. 47
Location (waters) Kik River
Well No. 080 Elev. 2270
District Glade County Webster
The surface of tract is owned in fee by H. F. Howard
Address Cover, W. Va.
Mineral rights are owned by H. F. Howard
Address COVER, W. Va.
Drilling commenced 4/1/55
Drilling completed 4/22/55
Date Shot From To
With
Open Flow 22 /10lbs Water in 3 Inch
/10lbs Merc. in Inch
Volume 198,000 Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., let 24 hrs.
Fresh water feet feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Bottom Hole
10			Kind of Packer
12			
14			Size of 8" and
16	<u>50'</u>	<u>50'</u>	<u>7"</u>
18	<u>731'</u>	<u>731'</u>	Depth set
20	<u>1448'</u>	<u>1448'</u>	
22			Perf. top
24			Perf. bottom
26			Perf. top
28			Perf. bottom
30			
32			
34			
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CASING CEMENTED SIZE No. Ft. Date
COAL WAS ENCOUNTERED AT FEET INCHES
 FEET INCHES FEET INCHES
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Clay			0	20			
Gravel			20	25			
Slate			25	70	Water	70	Hole Full
Lime			70	80			
Sand			80	114			
Slate			114	157			
Sand			157	200			
Slate			200	220			
Sand			220	225			
Slate & Shells			225	240			
Sand			240	414			
Slate			414	450			
Sand			450	468			
Slate & Shells			468	653			
Gritty lime			653	670			
White Slate			670	719			
Lime			719	765			
Red Rock			765	775			
Lime			775	867	Gas	794	Show
Red Rock			867	881			
Slate			881	886			
Lime			886	887			
Red Rock			887	1419			
Lime			1419	1459			
Sand			1459		Gas	1449-1512	
Total Depth			1512				

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Office of Oil and Gas
JAN 20 2023
W.V. Department of
Environmental Protection



02/03/2023

(Over)

Form WW-9

H. F. HOWARD LEASE 47-101-00041

page of

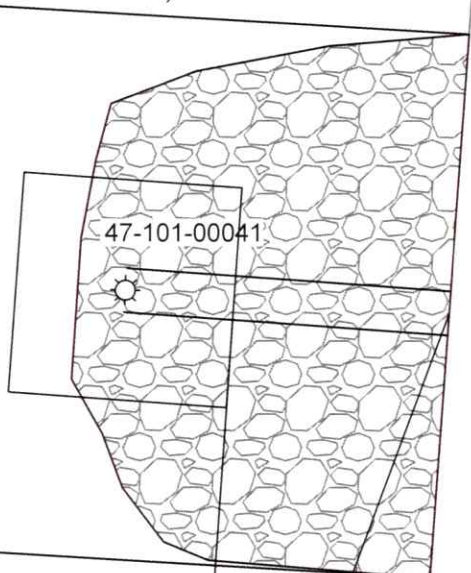


0.45 MILES ±
TO CO RT 9/7

9

WILLIAM STREET
(UNMAINTAINED)

UNMAINTAINED
ALLEY



60 FEET ±
@ 0 - 5 % GRADE

312 FEET ±
TO CO RT 30/2

9

EXISTING GRAVEL
LOT NO DRAINAGE
NEEDED

RECEIVED
Office of Oil and Gas

JAN 20 2023

WV Department of
Environmental Protection

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

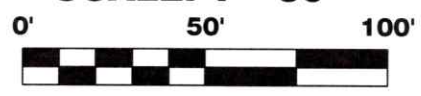
= EXISTING CULVERT

= PROPOSED CULVERT
15' MIN. UNLESS OTHERWISE NOTED

= PROPOSED STREAM CROSSING

= APPROXIMATE LIMITS OF DISTURBANCE

SCALE: 1" = 50'

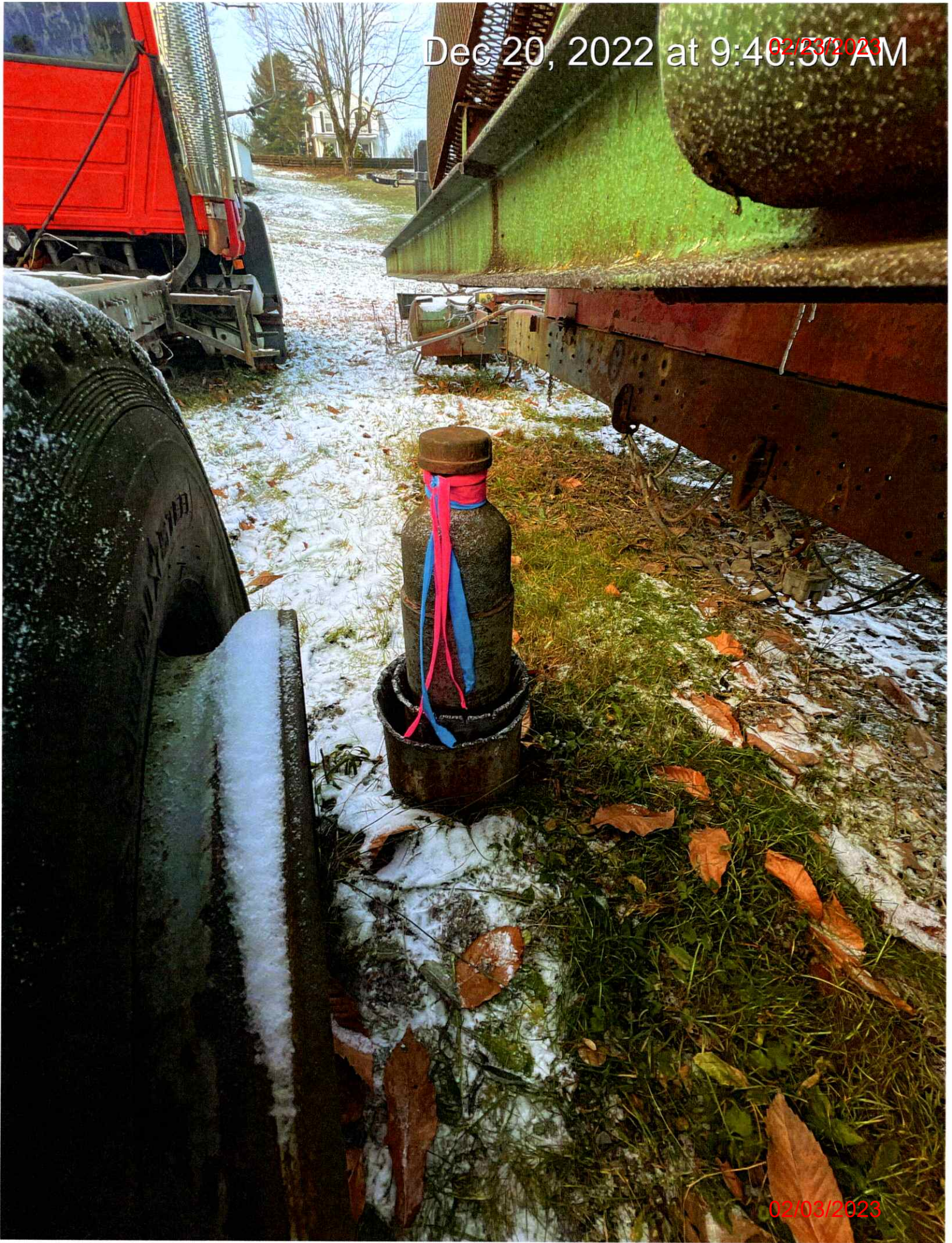


12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.482.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slwv.com

DRAWN BY MJH	FILE NO. 9318	DATE 12-27-22	CADD FILE: 9318-SURV-REC-000- MJH-221227.DWG
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Dec 20, 2022 at 9:46:50 AM

02/23/2023



02/03/2023

Dec 20, 2022 at 9:46:53 AM

02/03/2023



02/03/2023

02/23/2023

4710100041

Plugging Prognosis

API #: 4710100041
West Virginia, Webster Co.

Casing Schedule:

10" @ 30'
8-1/4" @ 731'
6-5/8" @ 1448' (set on bottom hole packer)
TD @ 1515'

Completion: Not listed

Fresh Water: 70'
Salt Water: None listed
Gas Shows: 794'; 1449'-1512'
Oil Shows: None listed
Coal: None listed
Elevation: 2270'

1. Notify Inspector Jeremy James @ 304-951-2596, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Check TD w/ wireline.
4. Release packer and pull 6-5/8" csg out of hole. If packer can't be released, Set bottom hole plug and then free point casing. Perforate as needed.
5. Run in to depth @ 1512'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 116' C1A/Class L cement plug from **1512' to 1398' (Gas Zone and 6-5/8" csg shoe plug)**. Tag TOC. Top off as needed.
6. TOOH w/ tbg to 1398'. Pump 6% bentonite gel from 1398' to 794'.
7. If packer would not release, free point 6-5/8" csg. Cut and TOOH. Set 100' C1A/Class L cement plug across csg cut. 50' in/out of cut. **Do not omit any plugs listed below. Perforate as needed**
8. TOOH w/ tbg to 794'. Pump 113' Class A/Class L Cement plug from **794' to 681' (Gas show and 8-1/4" shoe plug)**.
9. TOOH w/ tbg to 681'. Pump 6% bentonite gel from 681' to 120'.
10. Free point 8-1/4" csg. Cut and TOOH. Set 100' C1A/Class L cement plug across csg cut. 50' in/out of cut. **Do not omit any plugs listed below. Perforate as needed**
11. TOOH w/ tbg to 120'. Pump 120' Class A/Class L cement plug from **120' to surface (Freshwater and surface plug)**.
12. Erect monument with API#, date plugged, & company name.
13. Reclaim location and road to WV-DEP specifications.



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Office of Oil and Gas

JAN 20 2023

WV Department of
Environmental Protection

02/03/2023

4710100041 02/23/2023

WW-4A
Revised 6-07

1) Date: December 30, 2022
2) Operator's Well Number
H.F. Howard No. 1

3) API Well No.: 47 - 101 - 00041

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

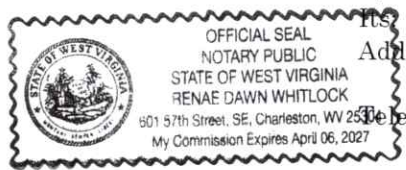
4) Surface Owner(s) to be served: (a) Name Gilford K. Crowe & Peggy S. Crowe, Address P.O. Box 623, Camden, WV 26206, (b) Name, Address, (c) Name, Address
5) (a) Coal Operator Name N/A, Address, (b) Coal Owner(s) with Declaration Name No Declarations found, Address, (c) Coal Lessee with Declaration Name No Declarations found, Address

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 - WVDEP Paid Plugging Contract
By: Jason Harmon
Address: WV Office of Oil & Gas Deputy Chief, 601 57th Street, SE, Charleston, WV 25304
Telephone: 304-926-0452

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Office of Oil and Gas
JAN 20 2023
WV Department of Environmental Protection

Subscribed and sworn before me this 20th day of January 2023
Renae Dawn Whitlock Notary Public
My Commission Expires April 6, 2027

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.

02/03/2023



02/23/2023

47-10100041

info@sllswv.com

www.sllswv.com

December 30, 2022

Gilford K. Crowe & Peggy S. Crowe
P.O. Box 623
Camden, WV 26206

Mr. & Mrs. Crowe,

Please find enclosed a Permit Application to plug and abandon a Well for API# 47-101-00041, in Webster County, WV which records in the courthouse indicate that you are the surface owners.

Through the West Virginia DEP Paid Plugging Contract, orphaned and abandoned wells have been directed to be plugged. Please review the proposed plugging application and if you approve, I have included an extra Surface owner signature form for you to sign and send back to SLS Land & Energy Development in the self addressed envelope provided for you. The Permit Application is yours to keep for your records. If you have any questions please do not hesitate to contact me.

Jim Mencer
SLS Land & Development
Permitting Tech.
304-462-5634

RECEIVED
Office of Environmental Policy

JAN 20 2023

WV Department of Environmental Protection

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634

02/03/2023

47 1 0 1 0 0 0 6 3
02/03/2023

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

GILFORD K. & PEGGY S. CROWE
P.O. BOX 623
CAMDEN, WV 26206

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X [Handwritten Signature]

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No



9590 9402 7774 2152 3639 60

2. Article Number (Transfer from service label)
222 2410 0003 5359 2885

PS Form 3811, July 2020 PSN 7530-02-000-9053

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Insured Mail Restricted Delivery (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt

RECEIVED
Office of Oil and Gas
JAN 20 2023
WV Department of
Environmental Protection

02/03/2023



47-10100041 02/23/2023

info@sldwv.com
www.sldwv.com

December 16, 2022

Gilford K. and Peggy S. Crowe
143 Erbacon Rd.
Cowen, WV 26206

Mr. & Mrs. Crowe,

Please find enclosed a Notice of Intent to Plug / Replug Abandoned Wells Form for API #47-101-00041 in Cowen Corporation District., Webster County, WV, Map 1 Parcel 27, which records from the Webster County Courthouse indicate that you are the surface owner.

The well listed above is proposed to be plugged through the West Virginia DEP Paid Plugging Contract, orphaned and abandoned wells program. SLS Land & Energy Development has been contracted to obtain a plugging permit for this well.

If you have any questions please do not hesitate to contact me.

Jim Mencer
SLS Land & Development
Permitting Tech.
304-462-5634

RECEIVED
Office of Oil and Gas
JAN 20 2023
WV Dept.
Environment

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634

02/03/2023



west virginia department of environmental protection

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

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

**NOTICE OF INTENT
TO PLUG / REPLUG
ABANDONED WELL(S)**

Gilford K. and Peggy S. Crowe
143 Erbacon Rd.
Cowen, WV 26206

RECEIVED
Office of Oil and Gas
JAN 20 2023
WV Department of
Environmental Protection

You are hereby given a twenty-day notice, as required by West Virginia Code, Chapter 22, Article 10, Section 7, that the West Virginia Department of Environmental Protection, Office of Oil and Gas (OOG), intends to enter upon the following described premises where an abandoned well(s) is situated and plug or re-plug such well(s) and reclaim any area disturbed by the plugging or re-plugging. This notice should be construed only as a declared intent to plug such well(s); site-specific considerations or other factors may ultimately prevent the plugging or re-plugging at this time.

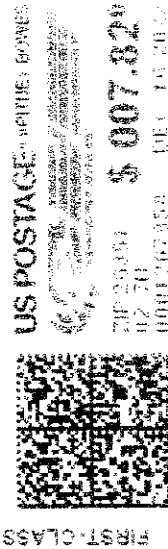
Description of premises: Cowen Corp. District, Webster County, WV Tax Map 1 Parcel 27
0.477 Acres, Gas Well API #47-101-00041

The well(s) is considered "abandoned" within the meaning of W. Va. Code § 22-6-19 because it is a dry hole or because it has not been in use for a period of 12 consecutive months and no satisfactory proof of a "bona fide" future use for the well has been demonstrated to the OOG.

If you are a surface owner of the above described premises, be advised that surface owners have the right to repair of any damage or disturbance resulting from the well plugging or to compensation for (1) the reasonable cost of repairing or replacing any water well, (2) the reasonable value of any crops destroyed, damaged or prevented from reaching market, (3) the reasonable cost of repair to personal property up to the value of the replacement value of personal property of like age, wear and quality, (4) lost income or expenses incurred, and (5) reasonable costs to reclaim or repair real property, including roads. Additionally, the surface owners have the potential right to take any casing, equipment or other salvage not claimed in this notice. Please be advised that it is the intent of the OOG to take all casing, equipment, and other salvage from the subject well(s).

02/23/2023

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Certified Mail service provides the following benefits:

- A receipt (this portion of the Certified Mail label).
- A unique identifier for your mailpiece.
- Electronic verification of delivery or attempted delivery.
- A record of delivery (including the recipient's signature) that is retained by the Postal Service™ for a specified period.

Important Reminders:

- You may purchase Certified Mail service with First-Class Mail®, First-Class Package Service®, or Priority Mail® service.
- Certified Mail service is *not* available for international mail.
- Insurance coverage is *not* available for purchase with Certified Mail service. However, the purchase of Certified Mail service does not change the insurance coverage automatically included with certain Priority Mail items.
- For an additional fee, and with a proper endorsement on the mailpiece, you may request the following services:
 - Return receipt service, which provides a record of delivery (including the recipient's signature). You can request a hardcopy return receipt or an electronic version. For a hardcopy return receipt, complete PS Form 3811, *Domestic Return Receipt*; attach PS Form 3811 to your mailpiece;

for an electronic return receipt, see a retail associate for assistance. To receive a duplicate return receipt for no additional fee, present this USPS®-postmarked Certified Mail receipt to the retail associate.

- Restricted delivery service, which provides delivery to the addressee specified by name, or to the addressee's authorized agent.
- Adult signature service, which requires the signee to be at least 21 years of age (not available at retail).
- Adult signature restricted delivery service, which requires the signee to be at least 21 years of age and provides delivery to the addressee specified by name, or to the addressee's authorized agent (not available at retail).

- To ensure that your Certified Mail receipt is accepted as legal proof of mailing, it should bear a USPS postmark. If you would like a postmark on this Certified Mail receipt, please present your Certified Mail item at a Post Office™ for postmarking. If you don't need a postmark on this Certified Mail receipt, detach the barcoded portion of this label, affix it to the mailpiece, apply appropriate postage, and deposit the mailpiece.

IMPORTANT: Save this receipt for your records.

GILFORD K. & PEGGY S. CROWE
143 ERBACON RD.
COWEN, WV 26206

RECEIVED
Office of Oil and Gas
JAN 20 2023
WV Department of
Environmental Protection

PS Form 3800, April 2015 (Reverse) PSN 7530-02-000-9047



PO Box 150
GLENVILLE, WV 26031

02/03/2023

PLACE STICKERS AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS (NOT AT CENTER LINE)

COMPLETE THIS SECTION ON DELIVERY

Agent Addressee

a. Received by (Printed Name) **C. Date of Delivery**

b. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

Service Type


Priority Mail Express Registered Mail™
 Registered Mail Restricted Delivery Registered Mail Restricted Delivery with Signature Confirmation™
 Certified Mail™ Restricted Delivery Certified Mail™ Restricted Delivery with Signature Confirmation™
 Certified Mail™ Restricted Delivery with Signature Confirmation™ and Return Receipt for Merchandise
 Insured Mail™ Restricted Delivery (Over \$500) Insured Mail™ Restricted Delivery with Signature Confirmation™

SENDER: COMPLETE THIS SECTION

- Complete this card.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mail piece or on the front if space permits.

1. Article Addressed to:

GILFORD K. & PEGGY S. CROWE
 143 ERBACON RD.
 COWEN, WV 26206


 9596 9402 4307 8190 3803

2. Article Number (Transfer from service label)
 7021 2720 0001 6303 703B

PS Form 3811, July 2015 PSN 7530-02-000-8053

Certified Mail:

- A receipt (this portion of delivery)
- A unique identifier for your delivery
- Electronic verification of delivery
- A record of delivery (no signature) that is retained for a specified period.

Important Reminders:

- You may purchase Certified Mail, First-Class Mail, First-Class Mail® service or Priority Mail® service
- Certified Mail service is international mail.
- Insurance coverage is not with Certified Mail service and insurance coverage and certain Priority Mail items
- For an additional fee, an endorsement on the mailpiece can be requested. Return receipt services (including delivery) (including the following services):
- Return receipt services
- You can request a hard copy or electronic version. For complete PS Form 3811 Receipt attach PS Form 3800, April 2015

RECEIVED
 Office of Oil and Gas
 JAN 20 2023
 WV Department of Environmental Protection

SURFACE OWNER WAIVER

JAN 09 2023 02/23/2023

Operator's Well
Number

47 1 0 1 0 0 0 4 1
H.F. Howard No. 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
JAN 20 2023

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,

Gilford K. Crow
Signature

Date 1-4-23

Name _____
By _____
Its _____
Date _____

Signature

Date 02/03/2023

47 1 0 1 0 0 0 4 1

02/23/2023

WW-4B

API No. 47-101-00041
Farm Name _____
Well No. H.F. Howard No. 1

**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 _____

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Office of Oil and Gas

JAN 20 2023

WV Department of
Environmental Protection

02/03/2023



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)
SECTION 14.1. AND LEGISLATIVE RULE)
35CSR8 SECTION 20.1,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

ORDER NO. 2022-13

RECEIVED
Office of Oil and Gas

JAN 20 2023

WV Department of
Environmental Protection

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.

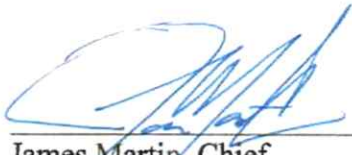
ORDER

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

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Office of Oil and Gas

JAN 20 2023

WV Department of
Environmental Protection

WW-9
(5/16)

02/23/2023
47 10100041
API Number 47 - 101 - 00041
Operator's Well No. H.F. Howard No. 1

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

Operator Name Unknown - WV DEP Paid Plugging Contract OP Code _____

Watershed (HUC 10) Big Ditch Run Quadrangle Cowen 7.5'

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 #25-774)
- 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. N/A

Additives to be used in drilling medium? N/A

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

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

-Landfill or offsite name/permit number? N/A

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.

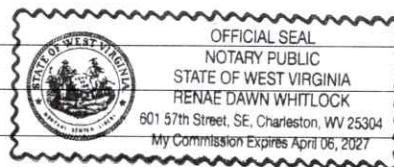
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 _____

Company Official (Typed Name) Jason Harmon

Company Official Title Deputy Chief



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Office of Oil and Gas

JAN 20 2023

WV Department of
Environmental Protection

Subscribed and sworn before me this 20th day of January, 20 23

Renae Dawn Whitlock Notary Public

My commission expires April 6, 2027

02/03/2023

Proposed Revegetation Treatment: Acres Disturbed Less than an acre Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.0

Fertilizer type 20-20-20

Fertilizer amount 500 lbs/acre

Mulch 2-3 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
		Fescue	30
		Clover	3
		Contractor Mix	10

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: 

Comments: No pit will be used.

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Office of Oil and Gas

JAN 20 2023

WV Department of
Environmental Protection

Title: inspector OOG

Date: 1-11-23

Field Reviewed? Yes No

47 1 0 1 0 0 0 4 1

5086'

LATITUDE 38°25'00"

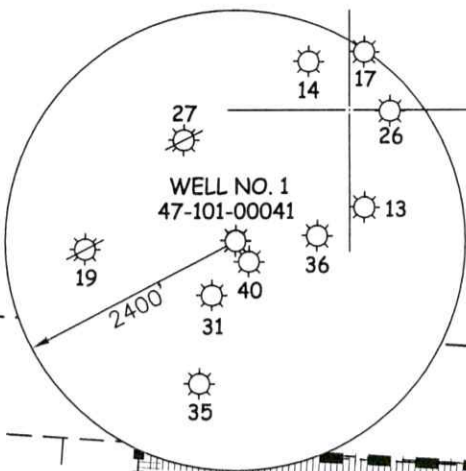
LONGITUDE 80°32'30"

H.F. HOWARD LEASE
0.47 ACRES
WELL NO. 1
47-101-00041

(UTM(M) ZONE 17)
NAD'83 GEO. LAT-(N) 38.413100 LONG-(W) 80.559416
NAD'83 UTM (M) N. 4,251,743 E. 538,464

2-1-9
GEORGE S. &
BRIDA ROZAS
3 AC.

02/23/2023
1-1/2" IRON PIPE



WILLIAM STREET

2-1-26
TERRY L.
CUNNINGHAM ETAL.
LOTS 8, 9, 10 & 11
BLOCK 1

WELL NO. 1
47-101-00041

2-1-27
GILFORD K & PEGGY
CROWE
LOTS 5, 6 & 7 BLOCK 1

NAD'83 GRID NORTH
HOWARD STREET

S 72°12' W
216.93'

N 43°52' E
139.33'

1" IRON PIPE

2-1-25
AMY M. & KENT C. WALKER
LOTS 12, 13 & 14
BLOCK 1

2-1-28
COWEN PROPERTIES INC.
LOTS 3 & 4 BLOCK 1

9

LEGEND

- LEASE LINE [Symbol]
- SURFACE LINE [Symbol]
- TIE LINE [Symbol]
- CREEK [Symbol]
- ROAD [Symbol]
- COUNTY ROUTE [Symbol]
- PROPOSED WELL [Symbol]
- EXISTING WELL [Symbol]
- PERMITTED WELL [Symbol]

DISTRICT-TAXMAP-PARCEL 00-00-00

NOTES ON SURVEY

1. WELL SPOT CIRCLE & TOPO
MARK SCALE IS 1"=2000'.



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26551 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slwv.com

2-1-29

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 DIVISION OF ENVIRONMENTAL PROTECTION.



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

DATE DECEMBER 23, 20 22
REVISED _____, 20 ____
OPERATORS WELL NO. 1
API WELL NO. 47 - 101 - 00041-P
STATE COUNTY PERMIT

P.S. 677 Gregory A. Smith

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9318-SURV-Well4710100041-MT-R00-20221223.dwg

HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SUBMETER MAPPING GRADE TIE TO CORS NETWORK) SCALE 1" = 50'

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



WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X

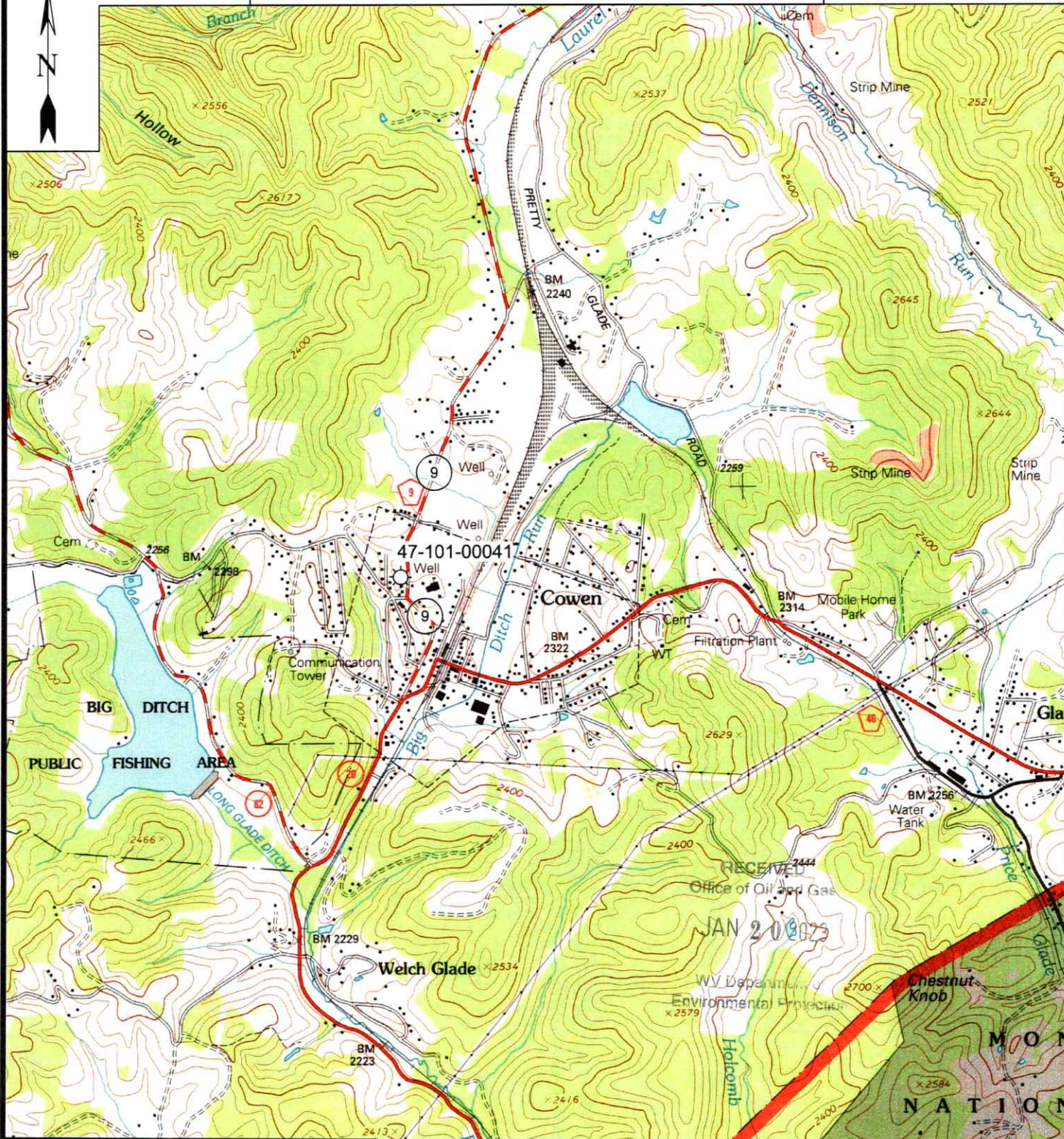
LOCATION:
ELEVATION 2283' WATERSHED BIG DITCH RUN
DISTRICT COWEN CORP COUNTY WEBSTER QUADRANGLE COWEN 7.5'
SURFACE OWNER GILFORD K. & PEGGY S. CROWE ACREAGE 0.477±
ROYALTY OWNER GILFORD K. & PEGGY S. CROWE ACREAGE 0.477±

PROPOSED WORK:
DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON X CLEAN OUT AND REPLUG ___ OTHER ___
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION RED ROCK
ESTIMATED DEPTH 1515'

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

COUNTY NAME PERMIT

H. F. HOWARD LEASE 47-101-00041



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
sllwv.com

SCALE: 1"=2000'

0' 2000' 4000'



TOPO SECTION OF COWEN, WV
7.5' TOPO QUADRANGLE

DRAWN BY MJH	FILE NO. 9318	DATE 12-27-22	CADD FILE: 9318-PLUG-471010041- REC-221227.DWG
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47-10100041 02/03/2023

info@sllswv.com
www.sllswv.com

January 17, 2023

Jason Harmon, Deputy Director
WV Department of Environmental Protection
Office of Oil & Gas
601 57th Street, SE
Charleston, WV 25304-2345

Dear Mr. Harmon,

Please find enclosed a permit application to plug API# 47-101-00041 in the Cowen Corp. District, Webster County. It is a part of the multi-well plugging contract for the Orphan and Abandoned Well Program for Region 6. The plugging contractor is Next Level Energy, operating under the Region 6 contract. The Inspector and Surface Owner has signed off on the work to be performed and the signed forms are included in the Permit Application submitted to you.

If you have any questions or comments please do not hesitate to contact me.

Jim Mencer
Permitting Technician
SLS Land & Energy Development
304-462-5634

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Office of Oil and Gas
JAN 20 2023
WV Department of
Environmental Protection

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634

02/03/2023