



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, November 12, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

BOYD O & G, INC.
812 QUARRIER ST. SUITE 500

CHARLESTON, WV 25301

Re: Permit approval for 9334
47-047-00281-00-00

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: 9334
Farm Name: NEW RIVER & POCA
U.S. WELL NUMBER: 47-047-00281-00-00
Vertical Plugging
Date Issued: 11/12/2024

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.

4704700281P

WW-4B
Rev. 2/01

1) Date Oct 7, 2024
2) Operator's
Well No. Welch Well #9334
3) API Well No. 47-047 - 00281

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 X or Underground storage ___) Deep ___ / Shallow ___

5) Location: Elevation 1676' Watershed Puncheon Camp Branch
District Browns Creek County McDowell Quadrangle Welch

6) Well Operator Boyd O & G, Inc. 7) Designated Agent R. Thomas Hansen
Address 812 Quarrier St. Ste 500 Address 812 Quarrier St, Ste 500
Charleston, WV 25301 Charleston, WV 25301

Tom Hansen @ sigma.wv.com

8) Oil and Gas Inspector to be notified Name Christian Porter
Address _____
9) Plugging Contractor Name R J Well Service
Address PO Box 40
Hueysville, KY 41640

See following pages.

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WV Department of
Environmental Protection

11/15/2024

Plugging Prognosis

47-047-00281

Well # 9334

TD: 4038'

Elevation: 1668.47'

Perforations: 3957' to 3979'

Coal Show: 650', 500'

Water Show: 94' (Offset well 47-047-00380)

Casing Schedule

13 3/8" @ 24' (CTS)

9 5/8" @ 685' (CTS)

4 1/2" @ 4026' (TOC at 3440')

- *Class A or Class L Cement to be used.*
- *Pump 6% gel spacer between all cement plugs.*
- *Any casing that is not cemented in and unable to be pulled, is to be perforated at all gas, oil, coal, and water shows.*

Procedure

- 1) Notify WV DEP State Inspector Christian Porter 48 hrs prior to commencing plugging operations.
- 2) MIRU plugging equipment. Check/record pressures. TD well.
- 3) TIH with tubing to 3979'. Pump 6% gel water. Set 200' cement plug from 3979' to 3779' (perforations). TOOH with tubing. WOC. Tag TOC, top off with cement as needed.
- 4) Shoot off 4 1/2" casing at free-point. TOOH with casing.
- 5) TIH with tubing to 50' below 4 1/2" casing cut. Pump 6% gel water. Set 100' cement plug 50' in and 50' out of casing cut. TOOH with 30 jnts. WOC. Tag TOC, top off as needed.
- 6) TIH with tubing to 1718'. Pump 6% gel water. Set 100' cement plug from 1718' to 1618' (elevation). TOOH with 30 jnts of tubing. WOC. Tag TOC, top off with cement as needed.
- 7) TIH with tubing to 735'. Pump 6% gel water. Set 285' Class L expandable cement plug from 735' to 450' (9 5/8" casing seat and coal). TOOH with tubing to 100'. WOC. Tag TOC, top off with cement as needed.
- 8) Set a 150' cement plug, circulating cement to surface.

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AP

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TOOH with tubing.
9) Top off well with cement, set monument, RDMO
equipment. Reclaim to WV DEP Specs.

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NOV 01 2024

WV Department of
Environmental Protection

11/15/2024

4704700281	Boyd Oil & Gas, Inc.	2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4704700281	Boyd Oil & Gas, Inc.	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4704700281	Boyd Oil & Gas, Inc.	2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4704700281	Boyd Oil & Gas, Inc.	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4704700281P

Production Water Information: (Volumes in Gallons)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4704700281	Boyd Oil & Gas, Inc.	2016	0												
4704700281	Boyd Oil & Gas, Inc.	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4704700281	Boyd Oil & Gas, Inc.	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4704700281	Boyd Oil & Gas, Inc.	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4704700281	Boyd Oil & Gas, Inc.	2021	0	0	0	0	0	0	0	0	0	0	0	0	0
4704700281	Boyd Oil & Gas, Inc.	2022	0	0	0	0	0	0	0	0	0	0	0	0	0
4704700281	Boyd Oil & Gas, Inc.	2023	0	0	0	0	0	0	0	0	0	0	0	0	0

Stratigraphy Information:

API	SUFFIX	FM	QUALITY	DEPTH_TOP	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV	DATUM
4704700281	Original Loc	unidentified coal	Well Record	500	Reasonable	5	Reasonable	1668	Ground Level
4704700281	Original Loc	unidentified coal	Well Record	650	Reasonable	5	Reasonable	1668	Ground Level
4704700281	Original Loc	Ravencruff/Avis Ss	Well Record	1375	Reasonable	65	Reasonable	1668	Ground Level
4704700281	Original Loc	Up Maxton	Well Record	2020	Reasonable	65	Reasonable	1668	Ground Level
4704700281	Original Loc	Maxton	Well Record	2423	Reasonable	8	Reasonable	1668	Ground Level
4704700281	Original Loc	Little Lime	Well Record	2540	Reasonable	80	Reasonable	1668	Ground Level
4704700281	Original Loc	Pencil Cave	Well Record	2620	Reasonable	80	Reasonable	1668	Ground Level
4704700281	Original Loc	Big Lime	Well Record	2700	Reasonable	587	Reasonable	1668	Ground Level
4704700281	Original Loc	Greenbrier Group	Well Record	2700	Reasonable	587	Reasonable	1668	Ground Level
4704700281	Original Loc	Maccrady	Well Record	3287	Reasonable	15	Reasonable	1668	Ground Level
4704700281	Original Loc	Weir	Well Record	3302	Reasonable	223	Reasonable	1668	Ground Level
4704700281	Original Loc	Sunbury Sh	Well Record	3928	Reasonable	34	Reasonable	1668	Ground Level
4704700281	Original Loc	Berea Ss	Well Record	3948	Reasonable	14	Reasonable	1668	Ground Level
4704700281	Original Loc	UDev undf:Ber/LoHURN	Well Record	3962	Reasonable	0	Reasonable	1668	Ground Level

Wireline (E-Log) Information:

* Scanned/Raster Log Information:

API	STATUS	LOG_TOP	LOG_BOT	DEEPEST_FML	LOGS_AVAIL	SCAN	GR_TOP	GR_BOT	D_TOP	D_BOT	N_TOP	N_BOT	I_TOP	I_BOT	T_TOP	T_BOT	S_TOP	S_BOT	O_TOP	O_BOT	INCH2	IN
4704700281	Regular Entry	70	4037		G.D.T.I.C.*	Y	70	4018	650	4037	700	4030	600	4030					650	4037	Y	Y

Scanned/Raster Comment: *logs: caliper

* There is no Digitized/LAS Log data for this well

Downloadable Log Images/Data: We advise you to save the scanned log or digitized log file(s) to your PC for viewing. To do so, right-click the file of interest and select the save option. Then you can direct the file to a location of your choice. Please note the scanned log images vary in size and some may take several minutes to download.

Quick Reference Guide for Log File Names For more info about WVGES scanned logs click [here](#)

Scanned/Raster Logs

FILENAME
4704700281ccd.tif
4704700281i.tif
4704700281t.tif

- geologic log types:**
- d density (includes bulk density, compensated density, density, density porosity, grain density, matrix density, etc.)
 - e photoelectric adsorption (PE or Pe, etc.)
 - g gamma ray
 - i induction (includes dual induction, medium induction, deep induction, etc.)
 - l laterolog
 - m dipmeter
 - n neutron (includes neutron porosity, sidewall neutron--SWN, etc.)
 - o other¹
 - s sonic or velocity
 - t temperature (includes borehole temperature, BHT, differential temperature, etc.)
 - z spontaneous potential or potential
- mechanical log types:**
- b cement bond
 - c caliper
 - o other¹
 - p perforation depth control or perforate

¹other logs may include, but are not limited to, such curves as audio, bit size, CCL--casing collar locator, continuous meter, directional survey, gas detector, guard, NCTL--Nuclear Cement Top Locator, radioactive tracer, tension

There is no Plugging data for this well

Sample Information:

API	CUT1_TOP	CUT1_BOT	CUT2_TOP	CUT2_BOT	CORE1_TOP	CORE1_BOT	FM1_TOP	FM1_BOT	CORE2_TOP	CORE2_BOT	FM2_TOP	FM2_BOT	SMPL	THN_SEC1	SCAN1	SLAB1	PERM1	THN_SEC
4704700281	2400	4025																

WSC Comment: There are two sets of some intervals; Set 1: 2400-4025; Set 2: 2700-4020

4704700281P

WW-4A
Revised 6-07

1) Date: 08/20/2024
2) Operator's Well Number
Welch Well #9334
3) API Well No.: 47 - 047 - 00281

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, Address, (b) Name, Address, (c) Name, Address
5) (a) Coal Operator Name, Address, (b) Coal Owner(s) with Declaration Name, Address, (c) Coal Lessee with Declaration Name, Address

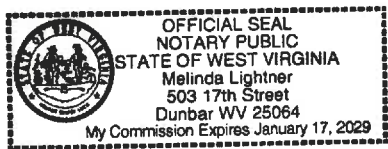
TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (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.

Well Operator Boyd O & G, Inc. By: [Signature] Secretary Treasurer Address: 812 Quarrier St., Ste 500, Charleston, WV 25301 Telephone: 304-414-0080



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Subscribed and sworn before me this 7th day of October, 2024 My Commission Expires 1-17-2029 [Signature] Notary Public

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.

11/15/2024

4704700281P

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY																
<ul style="list-style-type: none"> 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. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Jan Hall</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____ C. Date of Delivery _____</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>																
<p>1. Article Addressed to: BEYOND LAND Co. 300 SUMMERS ST. STE 1050 CHARLESTON, WV 25301</p>  <p>9590 9402 9013 4122 7208 89</p>	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Collect on Delivery Restricted Delivery		<input type="checkbox"/> Insured Mail		<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
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<p>2. Article Number (Transfer from service label) 9589 0710 5270 0777 4270 21</p>																	
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt</p>																	

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<p>1. Article Addressed to: Mc DOWELL COUNTY ECON. DEV. BD. ATTN: FRANCIS HALE 92 Mc DOWELL ST. STE 100 WELCH, WV 24801</p>  <p>9590 9402 9013 4122 7208 72</p>	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Collect on Delivery Restricted Delivery		<input type="checkbox"/> Insured Mail		<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
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<p>1. Article Addressed to: APPALACHIA COAL SALES Co. LLC ATTN: JAMES FIELDS 5703 CRUTCHFIELD DR. NORTON, VA 24273</p>  <p>9590 9402 9013 4122 7208 65</p>	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Collect on Delivery Restricted Delivery		<input type="checkbox"/> Insured Mail	
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11/15/2024

API No. 4704700281P
Farm Name _____
Well No. WELCH 9334

**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: 10/11/24

By: James D. Filds
Its Authorized Agent

RECEIVED
Office of Oil and Gas

NOV 01 2024

WV Department of
Environmental Protection

4704700281P

WW-9
(5/16)

API Number 47 - 047 - 00281
Operator's Well No. WELCH 9334

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

Operator Name Boyd O & G, Inc. OP Code 494473018

Watershed (HUC 10) Puncheon Camp Branch Quadrangle Welch

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

ANY WELL EFFLUENT MUST BE CONTAINED
AND DISPOSED OFF-SITE *JWA*

If so, please describe anticipated pit waste: _____

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

Proposed Disposal Method For Treated Pit Wastes:

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

Will closed loop system be used? If so, describe: _____

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

-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. _____

-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 *R. Thomas Hansen*

Company Official (Typed Name) R. Thomas Hansen

Company Official Title Secretary-Treasurer

RECEIVED
Office of Oil and Gas

NOV 01 2024

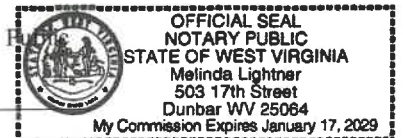
WV Department of
Environmental Protection

Subscribed and sworn before me this 7th day of October, 2024

Melinda Lightner

Notary

My commission expires 1-17-2029



11/15/2024

4704700281

Form WW-9

Operator's Well No. WELCN 9334

Proposed Revegetation Treatment: Acres Disturbed 1/2 Prevegetation pH To Be Determined

Lime 1 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Straw Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
		Flatpea or Perennial Pea	20/ac
		Tall Fescue	15/ac

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.

No Pit

Plan Approved by: *Chris C. [Signature]*

Comments: *Operator to cover with Consent of Oil & Gas for matters including Sulfur, chlorides, Cadmium and Arsenic.*

Title: *Impacts* Date: *10-24-2021*

Field Reviewed? Yes No

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Environmental Protection

11/15/2024

No Pit

N/A

Page 1 of 2
4704700281P

API Number 47 - 047 - 00281
Operator's Well No. well 9334

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

Operator Name: _____

Watershed (HUC 10): _____ Quad: _____

Farm Name: _____

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

[Empty response box for question 1]

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

[Empty response box for question 2]

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

[Empty response box for question 3]

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Environmental Protection

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

[Empty response box for question 4]

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

11/15/2024

No Pit

N/A

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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NOV 01 2024
WV Department of
Environmental Protection

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

Signature: _____

Date: _____

11/15/2024

47-047-00281

Welch 9334

17 s 450093 4146477

Legend



17 s 450093 4146477

11/15/2024

Google Earth

70 m







173600' / 173600' (63)

Oil&Gas

Wells, Horizontal Only

WellStatus

-  Active Well
-  Permit Issued
-  Permit Application
-  Plugged

Wells, Active Status Only

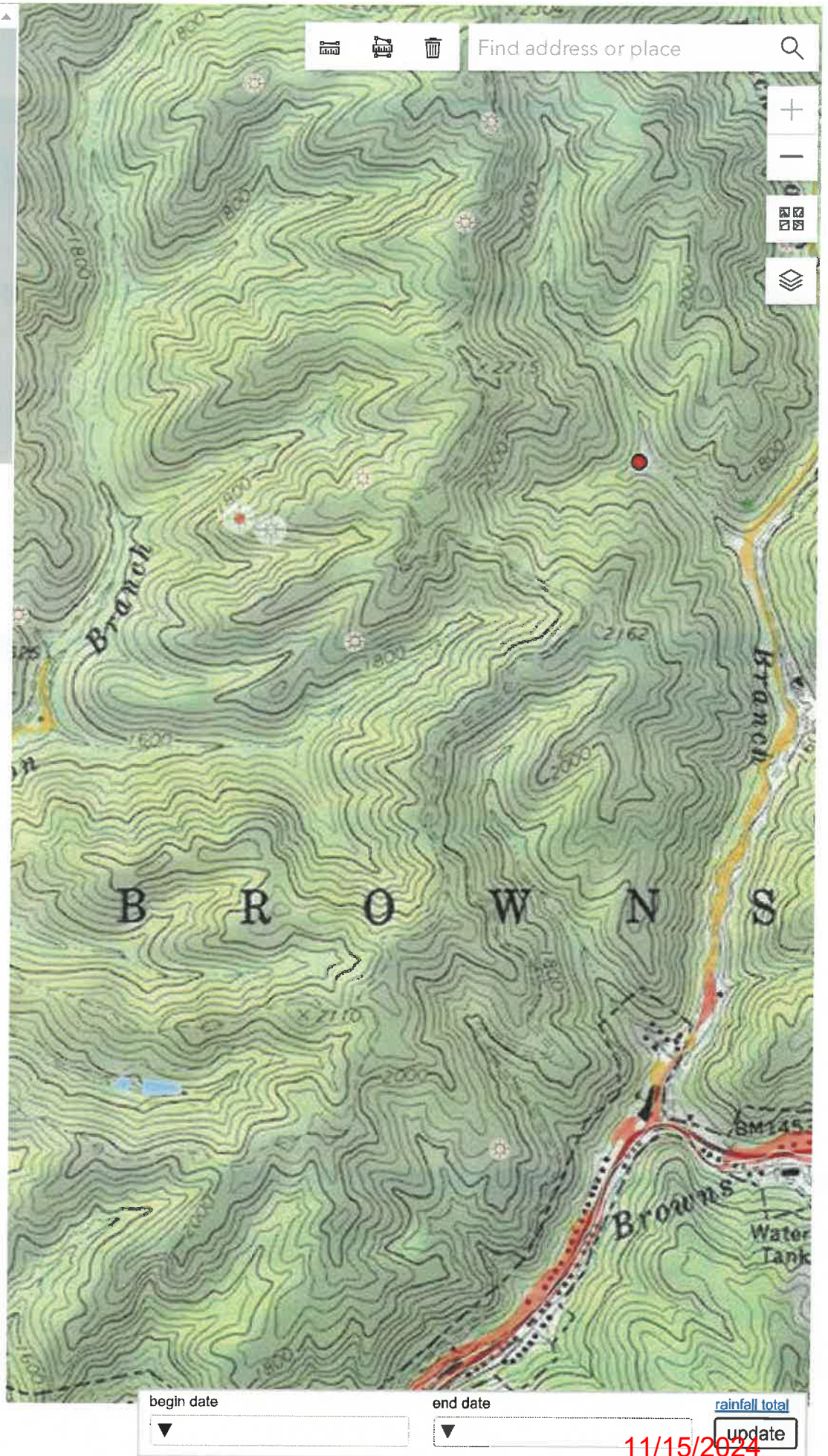
WellUse

-  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



11/15/2024

WW-7
8-30-06

4704700281P



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-047-00281 WELL NO.: Welch 9334

FARM NAME: New River & Pocahontas Consolidated Coal Co.

RESPONSIBLE PARTY NAME: Boyd O & G, Inc.

COUNTY: McDowell DISTRICT: Browns Creek

QUADRANGLE: Welch

SURFACE OWNER: McDowell County Econ. Dev. Bd., Attn. Francis Hale

ROYALTY OWNER: BERVIND LAND Co.

UTM GPS NORTHING: 4146477

UTM GPS EASTING: 450093 GPS ELEVATION: 1668 ft

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.

R. Alan Jensen
Signature

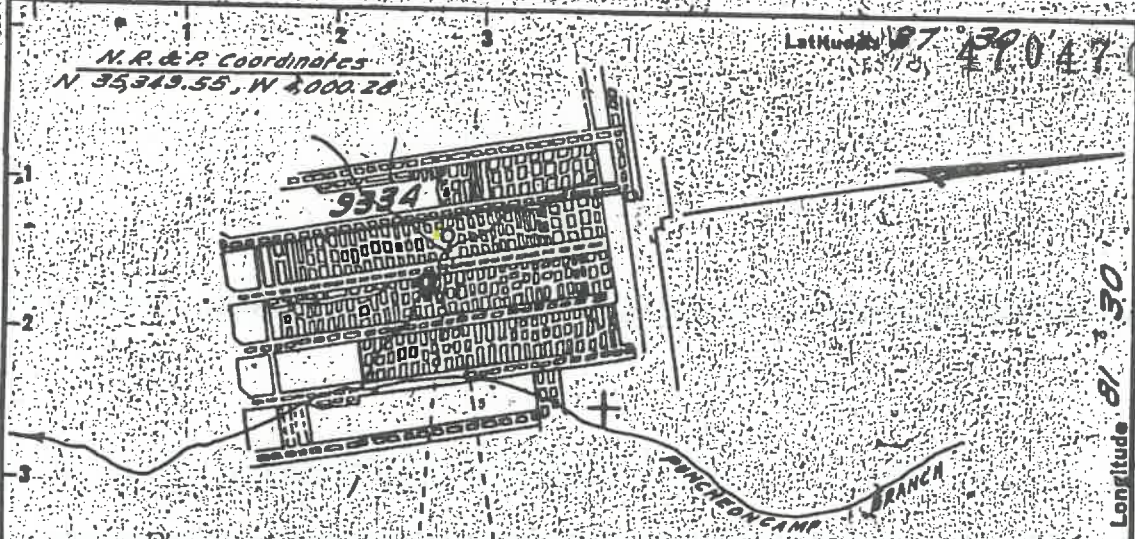
SEC-TREAS
Title

11/12/2024
Date

11/15/2024

N.R. & P. Coordinates
 N 35349.55, W 2000.28

Latitude 37° 39' 47" 0.281P
 Longitude 81° 30'



NEW RIVER & POCAHONTAS CONSOLIDATED COAL CO.

BENCH MARK DESCRIPTION

U.S. C. & G. S. Disk Located About 2.5 Miles Northeast Along State Highway 16 From the Court House At Welch, About 0.15 Mile East Of The Welch Elementary School, Set Vertically In The South Face Of A Large Rock Cut, 21' North Of Center Line Of Highway, 445' East Of The West End Of The Rock Cut, In Line With The Extended East Face Of The Fourth Brick House East Of The School & About 2' Above Level Of Highway. Elev. 1452.67'

DEGREE OF ACCURACY
 One Part In 2,500



NOTE

No. 3 Pocahontas Seam Operated Mine is Shut Down. Location is in Worked Out Area.

POCAHONTAS LAND CORP.

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief, and shows all the information required by Paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

New Location
 Drill Deeper
 Abandonment

Sybert R. Howell

Company **UNITED FUEL GAS CO.**
 Address **CHARLESTON, W.VA.**
 Farm **NEW RIVER & POCAHONTAS CONSOLIDATED COAL CO.**
 Tract Acres **6891⁹⁴** Lease No. **59717**
 Well (Farm) No. _____ Serial No. **9334**
 Elevation (Spirit Level) **1668.47'**
 Quadrangle **WELCH**
 County **MCDOWELL** District **BROWNS CRK**
 Engineer *Sybert R. Howell*
 Engineer's Registration No. **2529**
 File No. **66-407** Drawing No. _____
 Date **MAY 8, 1964** Scale **1" = 1000'**

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

WELL LOCATION MAP
 FILE NO. **MCD-281**

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.