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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, August 22, 2024  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

PANTHER CREEK MINING, LLC  
205 W. MAIN ST., SUITE 2000

LEXINGTON, KY 40475


Re: Permit approval for 96-S-134891  
47-019-00665-00-00

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: 96-S-134891  
Farm Name: EASTERN ASSOCIATED CO.   
U.S. WELL NUMBER: 47-019-00665-00-00  
Vertical Plugging  
Date Issued: 08/22/2024

## 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

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing.

1) Date July 28th, 2024  
2) Operator's  
Well No. 96  
3) API Well No. 47-019 - 00005

4701900665

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation 1450.766 Watershed Left and Right Fork of Armstrong Creek  
District Valley County Fayette Quadrangle Powellton

6) Well Operator Panther Creek Mining, LLC 7) Designated Agent \_\_\_\_\_  
Address 250 West Main St, Suite 2000 Address \_\_\_\_\_  
Lexington, Kentucky 40507

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Murdock Howard Name \_\_\_\_\_  
Address PO Box 140 Address \_\_\_\_\_  
Oak Hill, WV 25901

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

**Notify State Inspector, Murdock Howard, @ 681 990-2568**

**Drilling will be conducted by approved plugging prognosis.**

**~~Bore to a depth of Approximately 1050.766 feet (Approximately 400' below the lowest seam)~~**

**~~Cement hole from drill depth to surface with expandable cement.~~**

Depending on the site conditions plugging procedures may be modified after approval of the Inspector.

All Cement plug will be Class A Cement with no more than 3% CaCl<sub>2</sub>,

*ALL COAL SEAMS MUST BE COVERED W/*

RECEIVED  
Office of Oil and Gas  
*EXPANDING CEMENT.*

**'AUG 12 2024**

*J. W. W.*

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 Murdock Howard Date 8/15/24

08/23/2024

Plugging Prognosis  
47-019-00665  
Well # 96-S-134891  
Elevation: 1441.80'  
TD: 2953'

MH

Gas Show: 2572' to 2562'  
Fresh Water: 526', 372', 130'  
Oil Show: None  
Coal Show: None Reported

8/7/24

## Casing Schedule:

16" @ 37'  
8 5/8" @ 1401' (CTS)  
4 1/2" @ 2709' (Estimated TOC at 1320')

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

## Procedure

- 1) Notify WV DEP State Inspector Murdock Howard 48 hrs prior to commencing plugging operations.
- 2) MIRU. Record well pressures. Blow down well. RIH with wireline, TD well.
- 3) TIH with tubing to 2622'. Pump 20 bbls of 6% gel water. Set 110' cement plug from 2622' to 2512' (4 1/2" casing seat and gas show). TOOH with 30 jnts of tubing. WOC. Tag TOC, add cement if needed.
- 4) TIH with tubing to 1491'. Pump 20 bbls of 6% gel water. Set 140' cement plug from 1491' to 1351' (elevation and 8 5/8" casing seat). TOOH with tubing. WOC. Tag TOC, top off with cement as needed.
- 5) Cut/pull 4 1/2" casing at free-point (estimated cement top at 1320'). TOOH with casing.
- 6) TIH with tubing to 50' below casing cut. Pump 20 bbls of 6% gel water. Set 100' cement plug 50' in and 50' out of 4 1/2" casing cut. TOOH with tubing to 576'. WOC. Tag TOC, top off with cement as needed.
- 7) Set a 250' cement plug from 576' to 226' (fresh water). TOOH with tubing. WOC. Tag TOC, top off with cement as needed.
- 8) TIH with tubing to 180'. Circulate cement to surface. TOOH with tubing.
- 9) Top off with cement, set monument, and RDMO equipment. Reclaim to WV DEP Specs.

6a. COAL SEAM @ 656' - 659'

SEE WW - 2B

SET 100' OF EXPANDING CEMENT  
FROM 700' TO 600'

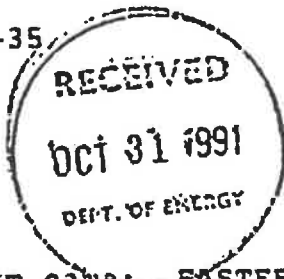
JMM.

RECEIVED  
Office of Oil and Gas

AUG 12 2024

WV Department of  
Environmental Protection

08/23/2024



State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

Revised: mg  
Recorded: \_\_\_\_\_

Well Operator's Report of Well Work

Form name: EASTERN ASSOCIATED COAL Operator Well No.: 96-S-134891

LOCATION: Elevation: 1441.80 Quadrangle: POWELLTON

District: VALLEY County: FAYETTE  
Latitude: 14000 Feet South of 38 Deg. 5 Min. 0 Sec.  
Longitude 8550 Feet West of 81 Deg. 17 Min. 30 Sec.

Company: ASHLAND EXPLORATION, INC.  
P.O. BOX 391, A1-6  
ASHLAND, KY 41114-0391

Agent: FORREST BURKETT

Inspector: RODNEY G. DILLON  
Permit Issued: 06/03/91  
Well work Commenced: 8-19-91  
Well work Completed: 10-21-91  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 2953'  
Fresh water depths (ft) 1/4" FW @ 130'  
372.526 (Map WV-12)  
Salt water depths (ft) \_\_\_\_\_  
None noted (826, MAP WV-12)  
Is coal being mined in area (Y/N)? N  
Coal Depths (ft): None noted

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	37'	37'	14
8 5/8"	1401'	1401'	458
4 1/2"	2709'	2709'	268
2 3/8" @ 2563'			

OPEN FLOW DATA

Producing formation U. Weir Pay zone depth (ft) 2562-2572  
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 1348 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 3 Hours  
Static rock Pressure 640 psig (surface pressure) after 72 Hours

Second producing formation None Pay zone depth (ft) 0  
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 0 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 0 Hours  
Static rock Pressure 0 psig (surface pressure) after 0 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: ASHLAND EXPLORATION, INC.

By: James L. Stephens James L. Stephens, Engr. Tech.  
Date: October 30, 1991

FAY 0665

<u>Formation or Rock Type</u>	<u>Top</u>	<u>Base</u>
Sand and Shale	0	793
Lee Formation	793	1212
Pennington Formation	1212	2065
Avis Lime 1499-1528		
U. Maxton 1537-1556		
!.. Maxton 2055-2065		
Little Lime	2065	2156
Big Lime	2156	2470
Injun	2470	2505
Borden Formation	2505	TD
U. Weir 2535-2576		
L. Weir 2633-2676		

DTD 2753

LTD 2747

Well Treatment:

Perf U. Weir 15H/2562-2572. 75 Quality foam frac U. Weir using 250 gal 16% inh fe acid, 388,000 SCF N , @ 9400 SCF/min and 70,000# 20/40 sand. BD @ 1519#, ATP 1559# @ 25 bpm foam rate, MTP 1690#, ISIP 1016#, TF 346 bbls.

12263



RECEIVED  
MAY 15 1991  
DEPT. OF ENERGY

FORM WW-2B

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Ashland Exploration, Inc. 2750 (9) 556
- 2) Operator's Well Number: Eastern Associated Coal Corp. 96, Serial #134891 3) Elevation: 1441.80'
- 4) Well type: (a) Oil   / or Gas X/  
(b) If Gas: Production X/ Underground Storage   /  
Deep   / Shallow X/  
5) Proposed Target Formation(s): Upper Weir
- 6) Proposed Total Depth: 2622'KB feet
- 7) Approximate fresh water strata depths: 526'KB (Map WV-12) 372'
- 8) Approximate salt water depths: 826'KB (Map WV-12)
- 9) Approximate coal seam depths: Solid - Not Operated 650'-659'
- 10) Does land contain coal seams tributary to active mine? Yes   / No X/  
11) Proposed Well Work: Drill & Simulate New Well.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT
	Size	Grade	Weight per ft.	For Grilling	Left in well	
Conductor	16	LS	36.0	30	30	CTS
Fresh Water						3858/1811.3
Coal						
Intermediate	8 5/8	J55	24.0	1382	1382	CTS
Production	4 1/2	J55	10.5	2622	2622	3858/1811.1 As Needed
Tubing	2 3/8	J55	4.7	-	2572	Siphon
Liners						

12266  
79221

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

506214  
15  
Fee(s) paid \_\_\_\_\_ Well Work Permit \_\_\_\_\_ Reclamation Fund \_\_\_\_\_ WPCP \_\_\_\_\_  
Plat \_\_\_\_\_ WW-9 \_\_\_\_\_ WW-28 \_\_\_\_\_ Bond \_\_\_\_\_ Agent. \_\_\_\_\_  
(Type) \_\_\_\_\_

08/23/2024

OBVERSE

INSPECTOR'S PERMIT SUMMARY FORM

4701900665P

WELL TYPE \_\_\_\_\_

API# 47- 19-00665

ELEVATION: 1441.80

OPERATOR: ASHLAND EXPLORATION, INC.

DISTRICT: VALLEY

TELEPHONE: ( ) 732-6677

QUADRANGLE: POWELLTON

FARM: EASTERN ASSOCIATED COAL

COUNTY: FAYETTE

WELL NO.: 96-S-134891

RECEIVED  
Office of Oil & Gas  
FEB 19 92  
WV Division of  
Environmental Protection

SURFACE OWNER \_\_\_\_\_

COMMENTS (Y/N) \_\_\_\_\_ TELEPHONE \_\_\_\_\_

TARGET FORMATION \_\_\_\_\_

DATE APPLICATION RECEIVED 05/15/91

DATE PERMIT ISSUED: 06/03/91

DATE LOCATION STARTED 6/29/91 NOTIFIED  DRILLING COMMENCED 8-19-91

WATER DEPTHS \_\_\_\_\_

COAL DEPTHS \_\_\_\_\_

CASING

RAN <u>1401</u>	FEET OF	<u>8 5/8</u> "	PIPE ON	<u>8-21</u>	WITH	<u>350</u>	FILL UP
RAN <u>2690</u>	FEET OF	<u>4 1/2</u> "	PIPE ON	<u>8-23</u>	WITH	<u>150</u>	FILL UP
RAN _____	FEET OF	_____"	PIPE ON	_____	WITH	_____	FILL UP
RAN _____	FEET OF	_____"	PIPE ON	_____	WITH	_____	FILL UP
RAN _____	FEET OF	_____"	PIPE ON	_____	WITH	_____	FILL UP

RECEIVED  
Office of Oil and Gas

TD 2753 8-23-91 PITS

AUG 12 2024

PIT DISCHARGE DATE \_\_\_\_\_

TYPE \_\_\_\_\_

FIELD ANALYSIS pH \_\_\_\_\_ Fe \_\_\_\_\_ mg/l Cl \_\_\_\_\_ mg/l

D.O. \_\_\_\_\_ mg/l TOC \_\_\_\_\_ mg/l

WELL RECORD RECEIVED \_\_\_\_\_ PH OF PRE-SEEDING SOIL \_\_\_\_\_

DMR RECEIVED \_\_\_\_\_ ACRES DISTURBED \_\_\_\_\_

DATE RELEASED 2-10-92 TONS OF LIME APP. \_\_\_\_\_

TONS OF 10-20-20 APP. \_\_\_\_\_

BALES OF MULCH APP. \_\_\_\_\_

[Signature]  
INSPECTOR'S SIGNATURE

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

08/23/2024







Select County: (019) Fayette Select datatypes: [ ] (Check All) [x] Location [x] Production [x] Plugging [x] Owner/Completion [x] Stratigraphy [x] Sample [x] Pay/Show/Water [x] Logs [x] Btm Hole Loc

Table Descriptions County Code Translations Permit-Numbering Series Usage Notes Contact Information Disclaimer WVGES Main Pipeline-Plus New

Well: County = 19 Permit = 00665 Link to all digital records for well

Report Time: Tuesday, August 20, 2024 12:46:59 PM

WV Geological & Economic Survey:

Location Information: View Map

Table with columns: API, COUNTY, PERMIT, TAX\_DISTRICT, QUAD\_75, QUAD\_15, LAT\_DD, LON\_DD, UTME, UTMN

There is no Bottom Hole Location data for this well

Owner Information:

Table with columns: API, CMP\_DT, SUFFIX, STATUS, SURFACE\_OWNER, WELL\_NUM, CO\_NUM, LEASE, LEASE\_NUM, MINERAL\_OWN, OPERATOR\_AT\_COMPLETION, PROP\_VD, PROP\_TRGT\_FM, TFM\_EST\_YR

Completion Information:

Table with columns: API, CMP\_DT, SPUD\_DT, ELEV, DATUM, FIELD, DEEPEST\_FM, DEEPEST\_FMT, INITIAL\_CLASS, FINAL\_CLASS, TYPE, RIG, CMP\_MTHD, TVD, TMD, NEW\_FTG, KOD, G\_BEF, G\_AFT, O\_BEF, O\_AFT

Pay/Show/Water Information:

Table with columns: API, CMP\_DT, ACTIVITY, PRODUCT, SECTION, DEPTH\_TOP, FM\_TOP, DEPTH\_BOT, FM\_BOT, G\_BEF, G\_AFT, O\_BEF, O\_AFT, WATER\_QNTY

Production Gas Information: (Volumes in Mcf) \* 2023 data for H6A wells only. Other wells are incomplete at this time.

Table with columns: API, PRODUCING\_OPERATOR, PRD\_YEAR, ANN\_GAS, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DCM

Production Oil Information: (Volumes in Bbl) \*\* some operators may have reported NGL under Oil \* 2023 data for H6A wells only. Other wells are incomplete at this time.

Table with columns: API, PRODUCING\_OPERATOR, PRD\_YEAR, ANN\_OIL, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DCM

Production NGL Information: (Volumes in Bbl) \*\* some operators may have reported NGL under Oil \* 2023 data for H6A wells only. Other wells are incomplete at this time.

Table with columns: API, PRODUCING\_OPERATOR, PRD\_YEAR, ANN\_NGL, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DCM

Production Water Information: (Volumes in Gallons) \* 2023 data for H6A wells only. Other wells are incomplete at this time.

Table with columns: API, PRODUCING\_OPERATOR, PRD\_YEAR, ANN\_WTR, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DCM

08/23/2024

4701900665	Alliance Petroleum Co., LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4701900665	Alliance Petroleum Co., LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4701900665	Diversified Production, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4701900665	Diversified Production, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4701900665	Diversified Production, LLC	2022	0	0	0	0	0	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
4701900665	Original Loc	Avis Ls	Well Record	1499	Reasonable	29	Reasonable	1441	Ground Level
4701900665	Original Loc	Up Maxton	Well Record	1537	Reasonable	19	Reasonable	1441	Ground Level
4701900665	Original Loc	Lo Maxton	Well Record	2055	Reasonable	10	Reasonable	1441	Ground Level
4701900665	Original Loc	Little Lime	Well Record	2065	Reasonable	91	Reasonable	1441	Ground Level
4701900665	Original Loc	Big Lime	Well Record	2156	Reasonable	314	Reasonable	1441	Ground Level
4701900665	Original Loc	Big Injun (Price&eq)	Well Record	2470	Reasonable	35	Reasonable	1441	Ground Level
4701900665	Original Loc	Up Weir	Well Record	2535	Reasonable	41	Reasonable	1441	Ground Level
4701900665	Original Loc	Lo Weir	Well Record	2633	Reasonable	43	Reasonable	1441	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
4701900665	Regular Entry	10	2748		G.D.T.C.I.*	Y	10	2722	1384	2742			1399	2742	1380	2748			1374	2748	Y	Y

Scanned/Raster Comment: \*logs: caliper, PEF, tension, density porosity, density correction.

\* 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](#)

**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 other<sup>1</sup>
- 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 other<sup>1</sup>
- p perforation depth control or perforate

<sup>1</sup>other 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

Scanned/Raster

Logs

FILENAME
4701900665dgclog.tif
4701900665clog.tif

There is no Plugging data for this well

There is no Sample data for this well



WW-4A  
Revised 6-07

4701900665P

1) Date: 7-28-24  
2) Operator's Well Number #96

3) API Well No.: 47 - 019 - 00665

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 Quercus, West Virginia LLC	Name Panther Creek Mining
Address 1627 Quarrier Street East	Address 250 West Main St, Suite 2000
Charleston, WV 25311	Lexington, Kentucky 40507
(b) Name	(b) Coal Owner(s) with Declaration
Address	Name <del>Same as Surface</del>
	Address <u>PARDEC MINERALS, LLC</u>
	<u>135 CORPORATE CENTER ONE</u>
(c) Name	Name <u>SUITE 510 - SCOTT DEPOT, WV 25560</u>
Address	Address
6) Inspector Murdock Howard	(c) Coal Lessee with Declaration
Address P.O. Box 140	Name <del>Pardec Minerals LLC</del> <u>SAME AS OPERATOR</u>
Oak Hill, WV 25901	Address <u>209 West Washington Street</u>
Telephone 304-549-5915	<u>Charleston, WV 25302</u>

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

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

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

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

RECEIVED  
Office of Oil and Gas

AUG 12 2024

WV Department of  
Environmental Protection

Well Operator Panther Creek Mining, LLC  
 By: [Signature]  
 Its: Senior Vice President  
 Address 250 West Main St, Suite 2000  
Lexington, Kentucky 40507  
 Telephone 859-543-0515

Subscribed and sworn before me this 5th day of August 2024



My Commission Expires 11/09/2027

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. 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](mailto:depprivacyofficer@wv.gov).

08/23/2024

**SURFACE OWNER WAIVER**

Operator's Well  
Number

#96

**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 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

RECEIVED  
Office of Oil and Gas

AUG 12 2024

**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,

	Date	Name	Quercus West Virginia, LLC
Signature		By	Matt P. Roscoe
		Its	Vice President
			Date 8-8-24
		Signature	Matt P. Roscoe Date 8-8-24
			08/23/2024



WW-4B

API No. 4701900665  
Farm Name \_\_\_\_\_  
Well No. #96

**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 X / 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: 08/05/2024

  
By: D. Edward Brown  
Its Senior Vice President

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Environmental Protection

08/23/2024

WW-4B

API No. 47-019-00665  
Farm Name \_\_\_\_\_  
Well No. #96

**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 X<sup>DKL</sup> / lessee ~~DKL~~<sup>DKL</sup> / 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: 8/21/24

  
By: Derek K. Latimer  
Its Manager of Mine Engineering  
PAROBE MINERALS LLC

4701900665P

WW-9  
(5/16)

API Number 47 - 019 .00665  
Operator's Well No. \_\_\_\_\_

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

Operator Name Panther Creek Mining, LLC OP Code \_\_\_\_\_

Watershed (HUC 10) \_\_\_\_\_ Quadrangle Powellton

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

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Sump with Liner, No discharge. Will haul excess off site)

Will closed loop system be used? If so, describe: No

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

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

Additives to be used in drilling medium? N/A

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Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Buried on Site

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

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

WV Department of  
Environmental Protection

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 [Signature]  
Company Official (Typed Name) D. Edward Brown  
Company Official Title Senior Vice President

Subscribed and sworn before me this 5th day of August, 2024

[Signature] Notary Public

My commission expires 11/09/2027



08/23/2024

Operator's Well No. \_\_\_\_\_

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.0

Fertilizer type 10-20-20

4701900665

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue	400		
Clover	5		
Rye Grass	5		

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: Murdock Howard

Comments: Operator to cover with cement all oil and gas formations including salt, elevation, coals and fresh water.

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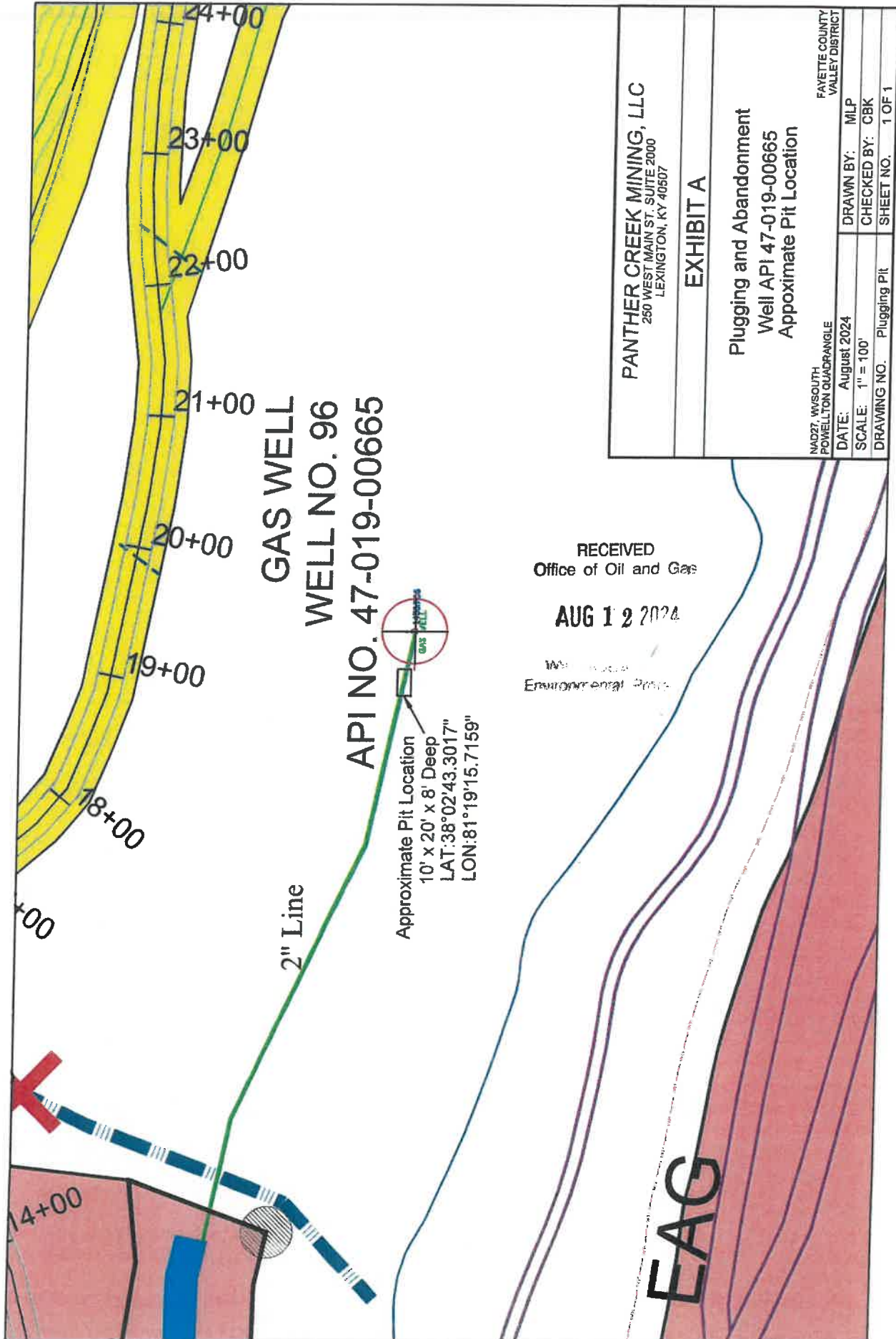
Title: Inspector

Date: 8/7/24

Field Reviewed?  Yes

No





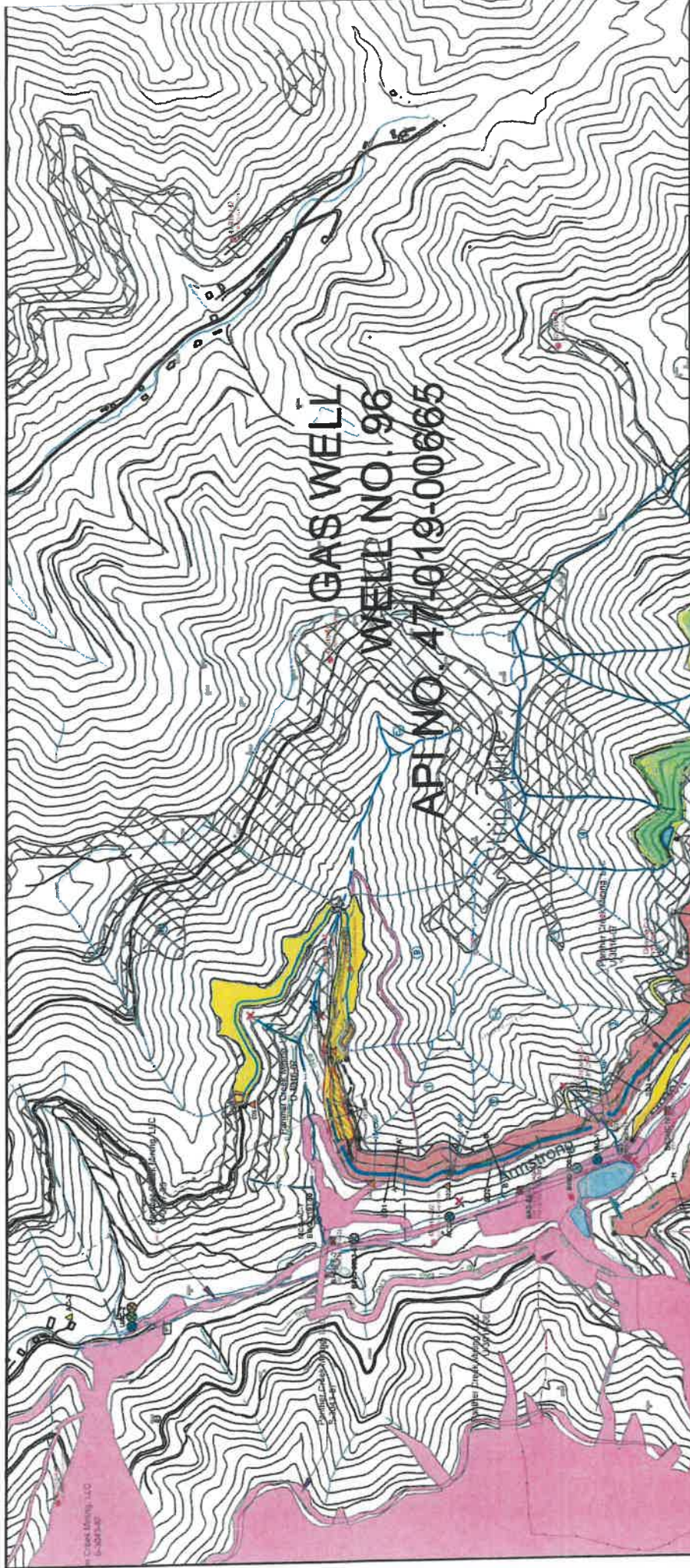
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EAG





**GAS WELL  
WELLS NO. 96  
API NO. 47-019-00665**

**PANTHER CREEK MINING, LLC**  
250 WEST MAIN ST. SUITE 2000  
LEXINGTON, KY 40507

**EXHIBIT A**

**Plugging and Abandonment  
Well API 47-019-00665  
Approximate Pit Location**

NAD27, WVSOUTH POWELLTON QUADRANGLE		FAYETTE COUNTY VALLEY DISTRICT	
DATE:	August 2024	DRAWN BY:	MLP
SCALE:	1" = 100'	CHECKED BY:	CBK
DRAWING NO.	Plugging Pit	SHEET NO.	1 OF 1

47019 0665P

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AUG 19 2024  
WV Department of Environmental Protection

08/23/2024



WW-7  
8-30-06

4701900665



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

API: 47-019-00665 WELL NO.: 96

FARM NAME: Eastern Gas & Fuel

RESPONSIBLE PARTY NAME: NREI

COUNTY: Fayette DISTRICT: Valley

QUADRANGLE: Powellton

SURFACE OWNER: Quercus, West Virginia LLC

ROYALTY OWNER: Pardee Minerals LLC

UTM GPS NORTHING: 380763.4083 4210841

UTM GPS EASTING: 1907502.9165 471816 GPS ELEVATION: 1455.77 ft <sup>442.194 Meters</sup>

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 x: Post Processed Differential \_\_\_\_\_

Real-Time Differential x

Mapping Grade GPS \_\_\_\_\_: Post Processed Differential \_\_\_\_\_

Real-Time Differential \_\_\_\_\_

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

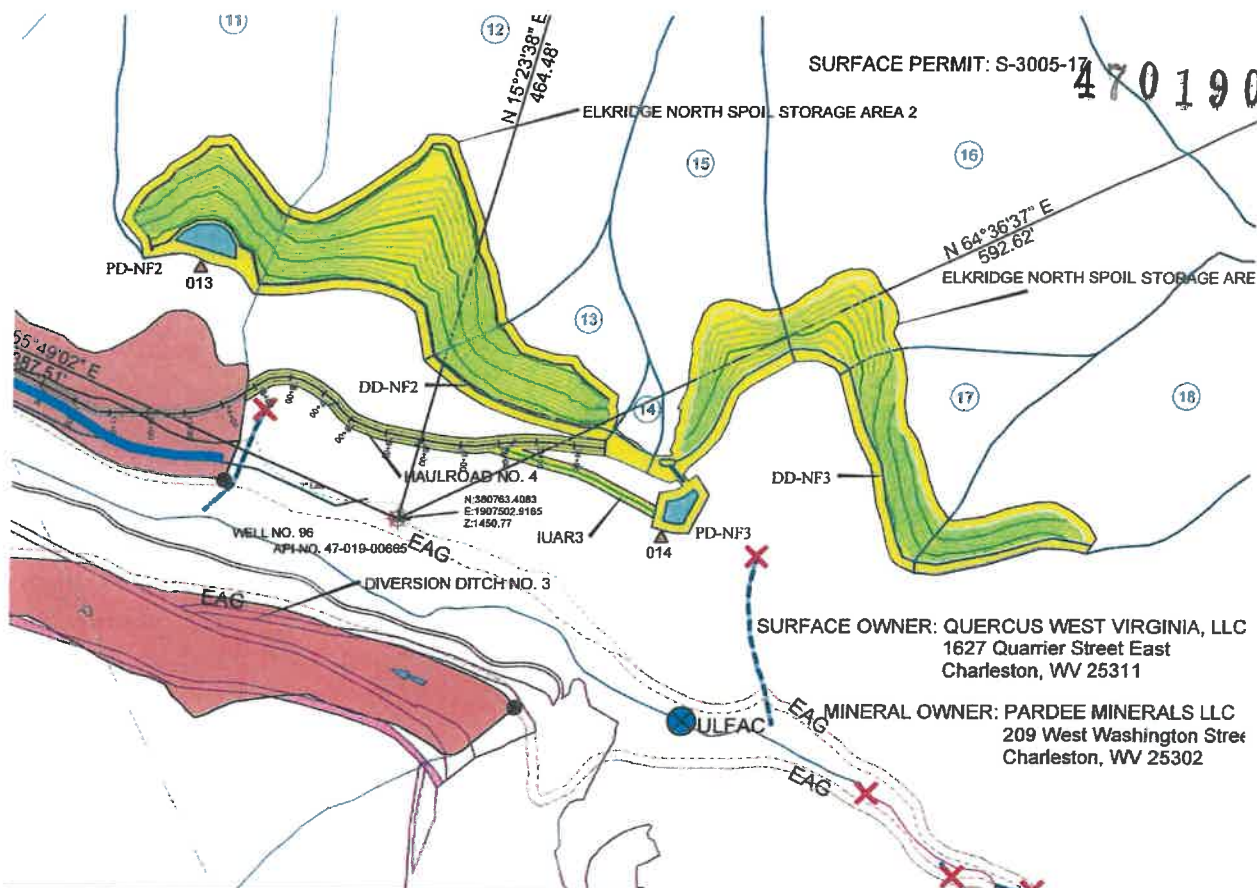
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Signature

Title

Date

08/23/2024



SURFACE PERMIT: S-3005-17 **4701900665**

SURFACE OWNER: QUERCUS WEST VIRGINIA, LLC  
 1627 Quarrier Street East  
 Charleston, WV 25311

MINERAL OWNER: PARDEE MINERALS LLC  
 209 West Washington Street  
 Charleston, WV 25302

FILE NO.: 47-019-00665  
 DRAWING NO.: GAS WELL-96  
 SCALE: 1" = 400'  
 MINIMUM DEGREE OF  
 ACCURACY: 1:2500  
 PROVEN SOURCE OF  
 ELEVATION: Panther Creek Mining  
(1450.77)

"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 THE LAWS AND RULES ISSUED AND  
 PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL  
 PROTECTION."  
 (signed) \_\_\_\_\_  
 R.P.E # \_\_\_\_\_

(Place Seal Here)

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



Date: July 29, 2024  
 Operator's Well No.: 96  
 API Well No.: 47-019-00665

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WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_

LOCATION: ELEVATION 1450.77 WATERSHED: Left Fork and Right Fork of Armstrong Creek

DISTRICT: Valley COUNTY: Fayette

QUADRANGLE: Powellton

SURFACE OWNER: Quercus, West Virginia LLC ACREAGE: 137.03

OIL & GAS ROYALTY OWNER: Pardee Minerals LLC, West Virginia LEASE ACREAGE: 137.03  
 LEASE NO: \_\_\_\_\_

PROPOSED WORK: DRILL: \_\_\_ CONVERT: \_\_\_ DRILL DEEPER: \_\_\_ REDRILL: \_\_\_ FRACTURE OR STIMULATE: \_\_\_  
 PLUG OFF OLD FORMATION: \_\_\_\_\_ PERFORATE NEW FORMATION: \_\_\_\_\_  
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY): \_\_\_\_\_  
 PLUG AND ABANDON: X CLEANOUT AND REPLUG: \_\_\_\_\_

TARGET FORMATION: \_\_\_\_\_ ESTIMATED DEPTH: \_\_\_\_\_

WELL OPERATOR: Panther Creek Mining, LLC DESIGNATED AGENT: CJ Well Service, Inc.

ADDRESS: 250 West Main St. Suite 2000  
Lexington, KY 40507

ADDRESS: P.O. Box 133  
Rowe, VA 24646

**08/23/2024**

4701900665



# New River Engineers, Inc.

July 29, 2024

WV Department of Environmental Protection  
Office of Oil & Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304-2345

RE: Pit Waste Disposal for Plugging a Abandon Well  
API 47-019-00665

Dear Sir:

On behalf of our client, Panther Creek Mining, please find attached a submittal for procedure for pit waste.

After approval of the completed WW-48b Application for a permit to abandon and plug Well API 47-019-00665. Panther Creek Mining will construct a pit with a 20 ml Liner. All materials will be stored in the pit, and any excess fluids will be removed from the pit and taken to the DEP approved refuse facilities O-0048-85 for disposal. Should you have any questions or comments, please feel free to contact me or Chris Burford at (304) 595-3290.

Sincerely,

Michael Proctor – Project Engineer

New River Engineers, Inc.

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