



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

Monday, May 23, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

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

LEXINGTON, KY 40475

Re: Permit approval for 70A
47-039-06398-00-00

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: 70A
Farm Name: QUERCUS, WEST VIRGINIA
U.S. WELL NUMBER: 47-039-06398-00-00
Vertical Plugging
Date Issued: 5/23/2022

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.

1) Date April 25th, 2022
2) Operator's
Well No. 70
3) API Well No. _____

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 2080.67 Watershed Tom's Branch of Cabin Creek
District Cabin Creek County Kanawha Quadrangle Powellton

6) Well Operator Panther Creek Mining 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 Terry Urban Name CJ Well's Service
Address P.O. Box 1207 Address P.O. Box 133
Clendenin, WV 25045 Rowe, VA 24646

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

Notify State Inspector, Terry Urban, @ 304 549-5915

Panther Creek Mining will utilize the following method to plug well SEE EXHIBIT No.1.

Clean out to TD AND PLUG BACK W/ CLASS A CEMENT TO A POINT
400' BELOW THE LOWEST MINABLE COAL SEAM ≈ 1680'. WOC
SET AN EXPANDING CEMENT CLASS A PLUG FROM 1680' TO SURFACE.

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

INSTALL MONUMENT PER WV CODE.

JNM

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

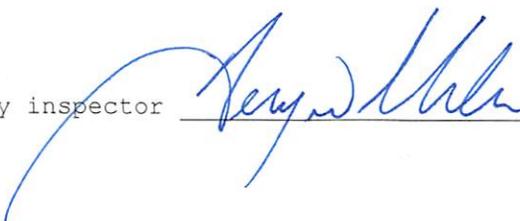
Work order approved by inspector  Date 5-23-22

EXHIBIT NO.1

From the experience and technology developed since 1970 in plugging oil and gas wells for mining through, PANTHER CREEK MINING will utilize the following method to plug all future wells.

SOLID PLUG METHOD

- ★ (a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below lowest minable coal seam.
- ~~(b) If abandoned well: clean out to first plug 200 feet below lowest minable coal seam.~~
- (c) Circulate through tubing or drill steel an expanding Class A cement plug from a minimum of 200 feet below minable coal seam to a point 100 feet above minable coal.

Circulate through tubing or drill steel an expanding Class A cement plug from 100 feet above coal seam to surface.

A monument will be installed with API No. and stating "solid plug".

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Office of Oil and Gas

5/23/22

WV Department of
Environmental Protection



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

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Oil and Gas Division

OIL & GAS DIVISION

WELL RECORD DEPT. OF MINES

Quadrangle Powellton
Permit No. 3627 A

Cable Gas X
Recycling Comb.
Water Flood Storage
Disposal (Kind)

SEE NEW PERMIT No.

Company Ashland Exploration, Inc.
Address P. O. Box 391, Ashland, Ky. 41101
Farm Eastern Gas & Fuel Acres 22,000+
Location (waters) Tom's Branch of Paint Creek
Well No. 70-A Elev. 2076.4'
District Cabin Creek County Kanawha
The surface of tract is owned in fee by Eastern Associated Coal Corp.
Address 1701 Koppers Bldg., Pittsburgh, PA
Mineral rights are owned by Same as above

Table with columns: Casing and Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. (Sks.)

See below

Drilling Commenced 9/3/80
Drilling Completed 9/27/80
Initial open flow 298 M cu. ft. bbls.
Final production *677 M cu. ft. per day bbls.
Well open 3 hrs. before test 450 RP.
Well treatment details: 430

Attach copy of cementing record.

Perf Gordon 18H/3770-3782 - Frac'd
Perf Upper Weir 20H/3170-3180 - Frac'd
Perf Maxton 4H/2640-2644 & 15H/2666-2681 - Frac'd
* Completed as dual producer from Gordon @ 119 MCF/D 450#.
Weir & Maxton 558 MCF/D 430#

Set Plug

Coal was encountered at Feet Inches
Fresh water Feet Salt Water Feet
Producing Sand Gordon, Weir & Maxton
Depth Gordon 3768, Weir 3154
Maxton 2607

Table with columns: Formation, Color, Hard or Soft, Top Feet, Bottom Feet, Oil, Gas or Water, Remarks

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APR 23 2018

WV Department of Environmental Protection

Date November 12 1980

APPROVED ASHLAND EXPLORATION, INC. L. D. Preston, Jr. Engineer

4703906398

U.S. Department of Labor

**Mine Safety and Health
Administration**

**201 12th Street South, Suite 401
Arlington, Virginia 22202-5452**



May 13, 2022

Michael Proctor
Engineering Consultant
New River Engineering, Inc.
202 School Drive
Shrewsbury, WV 25015

Re: Docket No. M-2022-008-C
Sycamore Surface Mine - MSHA ID No. 46-07058

Dear Mr. Proctor:

Our office recently received the petition for modification regarding title 30 Code of Federal Regulations (CFR) 75.1700 which you filed under section 101(c) of the Federal Mine Safety and Health Act of 1977 on behalf of Panther Creek Mining LLC for the Sycamore Surface Mine. Title 30 CFR part 44 (Rules of Practice for Petitions for Modification of Mandatory Safety Standards) contains provisions by which an operator may file a petition for modification. Your petition includes the information specified in 30 CFR 44.11.

The above docket number is now assigned to your petition. Please refer to the docket number should you need to contact our office in the future.

A notice of your petition for modification will soon be published in the Federal Register. Shortly thereafter, our inspectors will conduct an investigation into the merits of the petition. Once the investigation is completed, the Administrator for Mine Safety and Health Enforcement will issue a Proposed Decision and Order.

Sincerely,

**ELIZABETH
WAY**

Digitally signed by
ELIZABETH WAY
Date: 2022.05.13
14:00:49 -04'00'

Elizabeth A. Way
Regulatory Policy Analyst
Office of Standards, Regulations, and Variances

05/27/2022

COMPLAINT WELL
TO 47-039-06398P

FORM OG-8

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

<u>Eastern Associated Coal Corp.</u> COAL OPERATOR OR OWNER	<u>Ashland Exploration, Inc.</u> NAME OF WELL OPERATOR
<u>1701 Koppers Bldg.</u> ADDRESS	<u>P. O. Box 391</u> COMPLETE ADDRESS
<u>Pittsburgh, PA</u> COAL OPERATOR OR OWNER	<u>Ashland, Kentucky 41101</u> 19
<u>Eastern Associated Coal Corp.</u> LEASE OR PROPERTY OWNER	<u>Cabin Creek</u> District
<u>Same as above</u> ADDRESS	<u>Kanawha</u> County
	Well No. <u>70</u>
	<u>Eastern Gas & Fuel</u> Farm

STATE INSPECTOR SUPERVISING PLUGGING Martin Nichols

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Kanawha } SS:

Roy Lawson and Marvin Walker (Whipkey Drilling Co.) being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Ashland Exploration, Inc. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 8 day of August, 1980, and that the well was plugged and filled in the following manner:

BAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSS PULLED	CSS LEFT IN
PLUGGING RECORD				
Sand & Shale 0-1541			NONE	13 3/8 @ 33'
Salt Sand 1541-2060			NONE	7" @ 2090'
Shale 2060-2338	0-969 Gel		2875'	4 1/2" @ 3160'
Upper Maxton 2338-2398	969-1069 Cement 1069-1938 Gel			
Sd. & Shale 2398-2607	1938-2138 Cement 2138-4006 Shale Cavings,			
L. Maxton 2607-2692				
L. Lime 2692-2761	NOTE: 285' 4 1/2" csg stuck			
Big Lime 2778-3063	in open hole w/top			
U. Weir 3154-3186	of csg @ 2800' KB.			
L. Weir 3251-3286				
Berea 3548-3590				
Gordon 3768-3785				
TD @ 4006				
COAL SEAMS	DESCRIPTION OF MONUMENT			
(NAME)	Coal @ 185-197	7" casing extended 3' above		
(NAME)	@ 395-408	ground level w/identification		
(NAME)	@ 847-853	tag inbedded in cement.		
(NAME)				

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OIL & GAS DIVISION
DEPT. OF MINES

and that the work of plugging and filling said well was completed on the 25 day of November, 1980

And further deponents saith not.

Sworn to and subscribed before me this 25th day of November, 1980

My commission expires:

May 21, 1982

Roy Lawson
Marvin Walker
W. W. Hackworth
Notary Public.

Permit No. _____

3627

COMPANION WELL
Form OG 9
TO 47-039-06389P

EAC

WELL 70

47-039-03672P



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

DEC - 4 1980
OIL & GAS DIVISION
DEPT. OF MINES

NOTICE OF INTENTION TO PLUG AND ABANDON WELL

(REQUIRED BY SECTION 9, ARTICLE 4, CHAPTER 22 OF THE CODE)

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

Eastern Associated Coal Corp.
Coal Operator

1701 Koppers Bldg.

Address

Pittsburgh, PA

Coal Owner

Address

Eastern Associated Coal Corp.
Lease or Property Owner

Same as above

Address

Ashland Exploration, Inc.
Name of Well Operator

P. O. Box 391

Complete Address

Ashland, Kentucky 41101

Date

WELL TO BE ABANDONED
Cabin Creek

District

Kanawha

County

Well No. 70

Farm

Inspector Martin Nichols

Telephone

TO BE NOTIFIED 24 HOURS IN ADVANCE OF PLUGGING OPERATIONS

Gentlemen:—

The undersigned well-operator is about to abandon the above described well and will commence

the work of plugging and abandoning said well on the date inspector is notified (which date shall not be less than five days after the day on which this notice so mailed is received, or in due course should be received by the Department of Mines).

This notice is given 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 represented the undersigned will proceed on that date, or shortly thereafter, to plug and fill said well in the manner required by Section 10, Article 4, Chapter 22 of the Code and given in detail on the reverse side of this notice, in "Work Order."

This notice is being mailed by registered mail to each of you at the above addresses on the above date.

Very truly yours,

Randy D. Preston
Well Operator

NOTE: Upon the abandonment of any well drilled prior to June 1, 1929, a plat prepared by a registered engineer, shall be filed with THREE COPIES OF APPLICATION, (OG-9) AND "WORK ORDER" AND TWO COPIES OF THE WELL RECORD, (OG-10). The map must show the district and county in which the tract of land is located, the name and acreage of same, the name or names of the owners and names of adjacent tracts and the location of the well to be abandoned, determined by survey with the courses and distances of such well from two permanent points or landmarks on said tract, in compliance with Rule 5 of the Rules and Regulations.

NOTE: In case plugging is not commenced within four months from the date of permit, same shall expire and be of no further force or effect.

NOTE: PERMIT IS NON TRANSFERABLE

BLANKET BOND

3627

Permit Number

AFFIDAVIT, FORM OG-8, MANNER WELL PLUGGED MUST BE SUBMITTED TO OBTAIN RELEASE OF WELL UNDER BOND.

05/27/2022



Select County: (039) Kanawha (Check All)

Enter Permit #: 03627

Get Data Reset

Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/Show/Water Logs Btm Hole Loc

[Table Descriptions](#)
[County Code Translations](#)
[Permit-Numbering Series](#)
[Usage Notes](#)
[Contact Information](#)
[Disclaimer](#)
[WVGES Main](#)
["Pipeline-Plus" New](#)

WV Geological & Economic Survey:

Well: County = 39 Permit = 06398

Report Time: Thursday, May 19, 2022 12:55:14 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4703903627	Kanawha	06398	Cabin Creek	Powellton	Montgomery	38.068192	-81.362077	468240	4213443

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR_AT_COMPLETION	PR
4703903627	9/27/1980	Original Loc	Completed	Eastern Assoc Coal	70	090151				Ashland Exploration Co.	
4703903627	-/-	Plugging	Cancelled	Quercus West Virginia LLC	70	WV 090961	Eastern Gas & Fuel		Pardee Minerals LLC	EQT Production Company	

Completion Information:

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
4703903627	9/27/1980	9/3/1980	2067	Ground Level	Burnwell	Gordon	Gordon	Development Well	Development Well	Gas	Rotary	Fractured	4001		4001	
4703903627	-/-	-/-	2075	Ground Level												

Comment: -/- Per WVDEP website, plugging was cancelled 12/4/2018. No cancellation documents available.

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4703903627	9/27/1980	Pay	Gas	Vertical	2640	Maxton	2681	Maxton	0	0			
4703903627	9/27/1980	Pay	Gas	Vertical	3170	Up Weir	3180	Up Weir	0	0			
4703903627	9/27/1980	Pay	Gas	Vertical	3770	Gordon	3782	Gordon	0	119			

Production Gas Information: (Volumes in Mcf)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4703903627	Ashland Exploration Co.	1981	18,658	0	0	0	0	0	0	0	0	5,172	5,142	3,900	4,444
4703903627	Ashland Exploration Co.	1982	48,436	4,909	4,658	4,252	5,310	4,236	3,971	3,459	4,361	4,587	2,786	2,796	3,110
4703903627	Ashland Exploration Co.	1983	16,950	2,212	1,341	591	1,644	153	2,304	1,643	1,571	1,870	1,093	1,084	1,444
4703903627	Ashland Exploration Co.	1984	13,889	1,363	962	1,327	1,186	1,059	940	1,120	1,409	1,094	1,064	1,372	993
4703903627	Ashland Exploration Co.	1985	11,611	1,076	1,629	1,002	991	1,234	813	479	1,272	1,018	595	236	1,266
4703903627	Ashland Exploration Co.	1985	1,299	129	192	122	120	163	89	28	125	105	66	42	118
4703903627	Ashland Exploration Co.	1986	12,663	1,191	1,146	1,344	1,056	1,190	733	758	1,114	988	994	1,232	917
4703903627	Ashland Exploration Co.	1987	11,658	1,186	985	944	1,209	943	952	836	967	1,124	772	725	1,015
4703903627	Ashland Exploration Co.	1988	8,917	952	688	903	1,028	845	819	700	447	456	433	722	924
4703903627	Ashland Exploration Co.	1990	9,178	802	915	745	690	731	860	618	926	653	688	906	644
4703903627	Ashland Exploration Co.	1990	1,137	106	119	105	110	126	132	0	160	86	87	106	0
4703903627	Ashland Exploration Co.	1991	10,312	867	1,070	857	823	1,067	808	768	958	733	667	861	833
4703903627	Ashland Exploration Co.	1992	9,243	862	757	778	779	730	733	572	737	819	845	875	756
4703903627	Ashland Exploration Co.	1993	8,444	769	563	684	752	629	635	444	504	643	1,384	770	667
4703903627	Ashland Exploration Co.	1994	7,235	622	479	610	389	665	565	683	561	635	720	630	676
4703903627	Ashland Exploration Co.	1994	920	28	31	112	94	108	85	65	76	73	90	67	91
4703903627	Ashland Exploration Co.	1995	8,014	788	649	683	665	706	512	528	718	722	696	648	699
4703903627	Ashland Exploration Co.	1996	3,323	829	705	461	738	480	0	0	110	0	0	0	0
4703903627	Eastern States Oil & Gas, Inc.	1997	0	0	0	0	0	0	0	0	0	0	0	0	0

THIS WELL PRODUCED AS API No
 47-039-03627. WELL WAS LOST
 & ~~SHUT~~ MOVED AS 45' AND COMPLETED.
 CORRECTED API TO 47-039-06398
 FOR PLUGGING PERMIT.

4703906398P

4703903627	Ashland Exploration Co.	1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Eastern States Oil & Gas, Inc.	1999	3,757	0	0	0	0	802	646	667	329	301	276	227	509					
4703903627	Eastern States Oil & Gas, Inc.	1999	1,640	0	0	0	0	114	164	147	292	276	259	255	133					
4703903627	Ashland Exploration Co.	2000	6,895	779	867	760	824	845	745	801	772	502	0	0	0	0	0	0	0	0
4703903627	Equitable Production Company	2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Equitable Production Company	2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Blazer Energy Corp.	2003	1,929	0	0	0	14	248	347	187	182	180	453	0	318					
4703903627	Blazer Energy Corp.	2004	1,648	338	171	209	147	21	0	131	48	125	132	326						
4703903627	Blazer Energy Corp.	2005	3,345	256	169	311	179	394	209	211	331	152	147	499	487					
4703903627	Blazer Energy Corp.	2006	5,701	496	398	451	464	494	520	507	567	467	436	447	454					
4703903627	Blazer Energy Corp.	2007	5,735	354	360	483	450	526	474	473	489	513	566	488	559					
4703903627	Blazer Energy Corp.	2008	5,795	560	522	511	470	475	530	521	526	550	411	316	403					
4703903627	Blazer Energy Corp.	2009	4,361	380	332	370	391	339	354	372	379	356	369	356	363					
4703903627	Blazer Energy Corp.	2010	4,122	352	333	372	358	370	359	385	375	360	326	350	182					
4703903627	Blazer Energy Corp.	2011	3,696	0	200	349	481	359	341	315	364	330	353	342	262					
4703903627	Blazer Energy Corp.	2012	4,157	247	231	379	495	340	344	313	441	332	378	337	320					
4703903627	EQT Production Company	2013	3,973	279	297	355	363	356	348	358	357	164	373	362	361					
4703903627	EQT Production Company	2014	3,390	366	299	313	307	315	297	251	250	254	255	243	240					
4703903627	EQT Production Company	2015	2,783	232	209	246	234	240	233	243	240	224	232	223	227					
4703903627	EQT Production Company	2016	2,559	144	209	236	223	229	210	218	226	223	220	204	217					
4703903627	EQT Production Company	2017	2,481	217	191	217	210	217	207	190	217	197	217	210	191					
4703903627	Alliance Petroleum Co., LLC	2018	2,170	114	131	211	302	217	204	181	217	187	206	200	0					
4703903627	Alliance Petroleum Co., LLC	2019	1,767	130	139	151	145	109	189	174	160	189	194	0	187					
4703903627	Diversified Production, LLC	2020	2,137	173	170	183	176	187	183	177	183	161	183	178	183					

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4703903627	Ashland Exploration Co.	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1984	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1985													
4703903627	Ashland Exploration Co.	1985													
4703903627	Ashland Exploration Co.	1986	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1987	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1988	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1990	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1990	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1995	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1996	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Eastern States Oil & Gas, Inc.	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Eastern States Oil & Gas, Inc.	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Eastern States Oil & Gas, Inc.	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Ashland Exploration Co.	2000	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Equitable Production Company	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Equitable Production Company	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Blazer Energy Corp.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Blazer Energy Corp.	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Blazer Energy Corp.	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Blazer Energy Corp.	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Blazer Energy Corp.	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Blazer Energy Corp.	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Blazer Energy Corp.	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Blazer Energy Corp.	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Blazer Energy Corp.	2011	0	0	0	0	0	0	0	0	0	0	0	0	0

4703906398F

4703903627	Blazer Energy Corp.	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	EQT Production Company	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	EQT Production Company	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	EQT Production Company	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	EQT Production Company	2016	0												
4703903627	EQT Production Company	2017	0	0											
4703903627	Alliance Petroleum Co., LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Alliance Petroleum Co., LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Diversified Production, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0

Production NGL Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4703903627	EQT Production Company	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	EQT Production Company	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	EQT Production Company	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	EQT Production Company	2016	0												
4703903627	Alliance Petroleum Co., LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Alliance Petroleum Co., LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Diversified Production, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0

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
4703903627	EQT Production Company	2016	0												
4703903627	Alliance Petroleum Co., LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Alliance Petroleum Co., LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4703903627	Diversified Production, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV	DATUM
4703903627	Original Loc	Salt Sands (undiff)	Well Record	1358	Reasonable	651	Reasonable	2067	Ground Level
4703903627	Original Loc	Lo Maxton	Well Record	2607	Reasonable	84	Reasonable	2067	Ground Level
4703903627	Original Loc	Little Lime	Well Record	2692	Reasonable	69	Reasonable	2067	Ground Level
4703903627	Original Loc	Greenbrier Group	Electric Log	2693	Reasonable	360	Reasonable	2086	Kelly Bushing
4703903627	Original Loc	Pencil Cave	Well Record	2761	Reasonable	17	Reasonable	2067	Ground Level
4703903627	Original Loc	Big Lime	Well Record	2778	Reasonable	235	Reasonable	2067	Ground Level
4703903627	Original Loc	Big Lime	Electric Log	2778	Reasonable	235	Reasonable	2086	Kelly Bushing
4703903627	Original Loc	Greenbrier Group	Well Record	2778	Reasonable	235	Reasonable	2067	Ground Level
4703903627	Original Loc	Loyalhanna	Electric Log	3013	Reasonable	40	Reasonable	2086	Kelly Bushing
4703903627	Original Loc	Big Injun (Price&eq)	Well Record	3019	Reasonable	95	Reasonable	2067	Ground Level
4703903627	Original Loc	Price Fm & equivs	Electric Log	3053	Reasonable	537	Reasonable	2086	Kelly Bushing
4703903627	Original Loc	Weir	Well Record	3251	Reasonable	33	Reasonable	2067	Ground Level
4703903627	Original Loc	Sunbury Sh	Well Record	3525	Reasonable	23	Reasonable	2067	Ground Level
4703903627	Original Loc	Sunbury Sh	Electric Log	3525	Reasonable	22	Reasonable	2086	Kelly Bushing
4703903627	Original Loc	Berea Ss	Electric Log	3547	Reasonable	43	Reasonable	2086	Kelly Bushing
4703903627	Original Loc	Berea Ss	Well Record	3548	Reasonable	42	Reasonable	2067	Ground Level
4703903627	Original Loc	UDev undf:Ber/LoHURN	Electric Log	3590	Reasonable	0	Reasonable	2086	Kelly Bushing
4703903627	Original Loc	Gordon	Well Record	3768	Reasonable	17	Reasonable	2067	Ground Level

Wireline (E-Log) Information:

API	LOG_TOP	LOG_BOT	DEEPEST_FML	LOGS_AVAIL	SCAN	DIGITIZED	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
4703903627	90	4016		N,G,T,D,I,C,*	Y	N	90	3982	2380	4000			2380	4010	2310			4016	

Comment: *logs:Caliper;Log Analysis,

Downloadable Log Images: We advise you to save the log image file to your PC for viewing. To do so, right-click the .tif image of interest and select the save option. Then you can direct the file to a location of your choice. Please note these images vary in size and some may take several minutes to download, especially if using a 56k or slower dialup connection.

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

4703906398A

FILENAME
4703903627gcd.tif
4703903627i.tif
4703903627t.tif
4703903627 a.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

Plugging Information:

API	PLG_DT	DEPTH_PBT
4703903627	11/25/1980	0

There is no Sample data for this well

4703906398P

WW-4A
Revised 6-07

47039063989

1) Date: 4-11-22
2) Operator's Well Number 70A
3) API Well No.: 47 - 039 - 03627

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 Quercus, West Virginia LLC, Address 1627 Quarrier Street East, Charleston, WV 25311. (b) Name, Address. (c) Name, Address.
5) (a) Coal Operator Name Panther Creek Mining, Address 250 West Main St, Suite 2000, Lexington, Kentucky 40507. (b) Coal Owner(s) with Declaration Name Same as Surface, Address. (c) Coal Lessee with Declaration Name Pardee Minerals LLC, Address 209 West Washington Street, Charleston, WV 25302.
6) Inspector Terry Urban, Address P.O. Box 1207, Clendenin, WV 25045, Telephone 304-549-5915.

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.

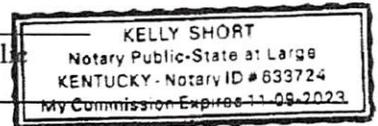
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental 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 Panther Creek Mining
By: [Signature] Senior Vice President
Address 250 West Main St, Suite 2000, Lexington, Kentucky 40507
Telephone 859-543-0515

Subscribed and sworn before me this 27th day of April

My Commission Expires 11/09/2023

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.

05/27/2022

4709906398P

7017 3040 0000 6439 7632

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Abingdon, VA 24210

OFFICIAL USE

Certified Mail Fee	\$3.75	0015
\$	\$3.05	01
Extra Services & Fees (check box, add fee as appropriate)	\$0.00	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$1.56	
\$	\$8.36	
Total Postage and Fees	\$8.36	04/28/2022
\$		

Sent To Quercus WV LLC
 Street and Apt. No., or PO Box No. 19045 Stone Mtn Rd.
 City, State, ZIP+4® Abingdon VA 24210

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7017 3040 0000 6439 7625

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Arlington, VA 22202

OFFICIAL USE

Certified Mail Fee	\$3.75	0015
\$	\$2.05	01
Extra Services & Fees (check box, add fee as appropriate)	\$0.00	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$1.56	
\$	\$8.36	
Total Postage and Fees	\$8.36	04/28/2022
\$		

Sent To Mine Safety & Health Adm.
 Street and Apt. No., or PO Box No. 201 12th St. So.
 City, State, ZIP+4® Arlington VA 22202-5452

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

MIKE PROCTOR
 (304) 640-1942
 mproctor@ssnrei.com
 PANTHER CREEK MINING

05/27/2022

WW-4B

API No. 4703906398P
Farm Name _____
Well No. 70A

**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: 04/27/2022



By: D. Edward Brown

Its Senior Vice President

05/27/2022

4703906398P

WW-9
(5/16)

API Number _____
Operator's Well No. 70A

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

Operator Name Panther Creek Mining OP Code _____

Watershed (HUC 10) Toms Branch of Cabin Creek 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.? 20 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

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

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

-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 *D. Edward Brown*

Company Official (Typed Name) D. Edward Brown

Company Official Title Senior Vice President

Subscribed and sworn before me this 27th day of April, 2022

Kelly Short Notary Public

My commission expires 11/09/2023



05/27/2022

PANTHER CREEK MINING

April 25, 2022

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

RE: Pit Waste Disposal for Plugging a Abandon Well
API 47-039-03627

Dear Sir:

Panther Creek Mining is submitting the following procedure for pit waste.

After approval of the completed WW-48b Application for a permit to abandon and plug Well API 47-039-03627. 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 S-6020-89 for disposal.

If you have any questions or require additional information, please do not hesitate to call me at (304) 550-8331.

Sincerely,


Mark Morris
Panther Creek Mining

Enclosure

05/27/2022

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH

Lime 3 Tons/acre or to correct to pH 6.0

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue	400		
Clover	5		
Ryegrass	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.

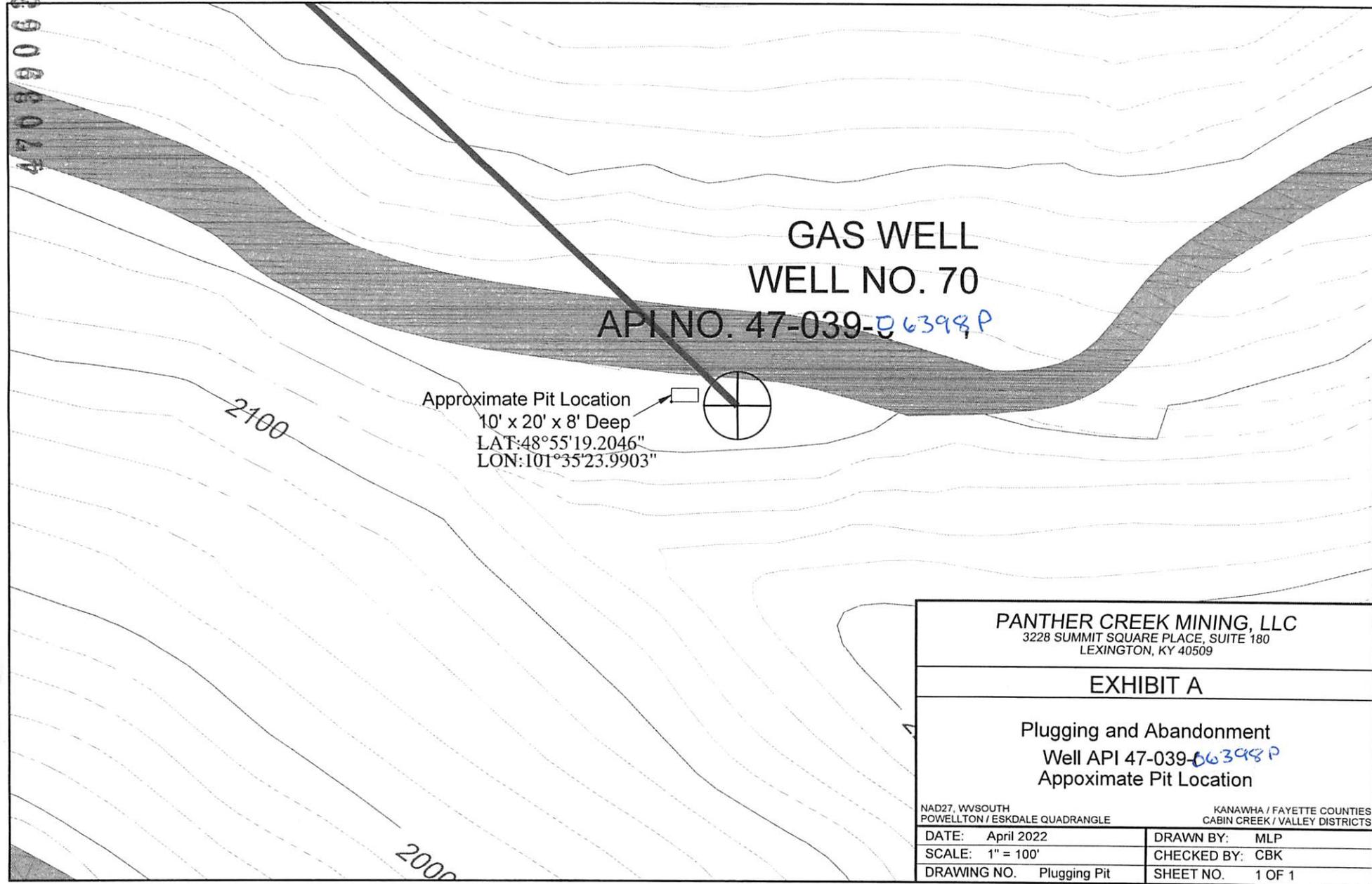
Plan Approved by: [Signature]

Comments: Well to be Stripped Through

Title: [Signature] Date: 4-25-22

Field Reviewed? (X) Yes () No

4703906398P



GAS WELL
WELL NO. 70

API NO. 47-039-06398P

Approximate Pit Location
10' x 20' x 8' Deep
LAT: 48°55'19.2046"
LON: 101°35'23.9903"

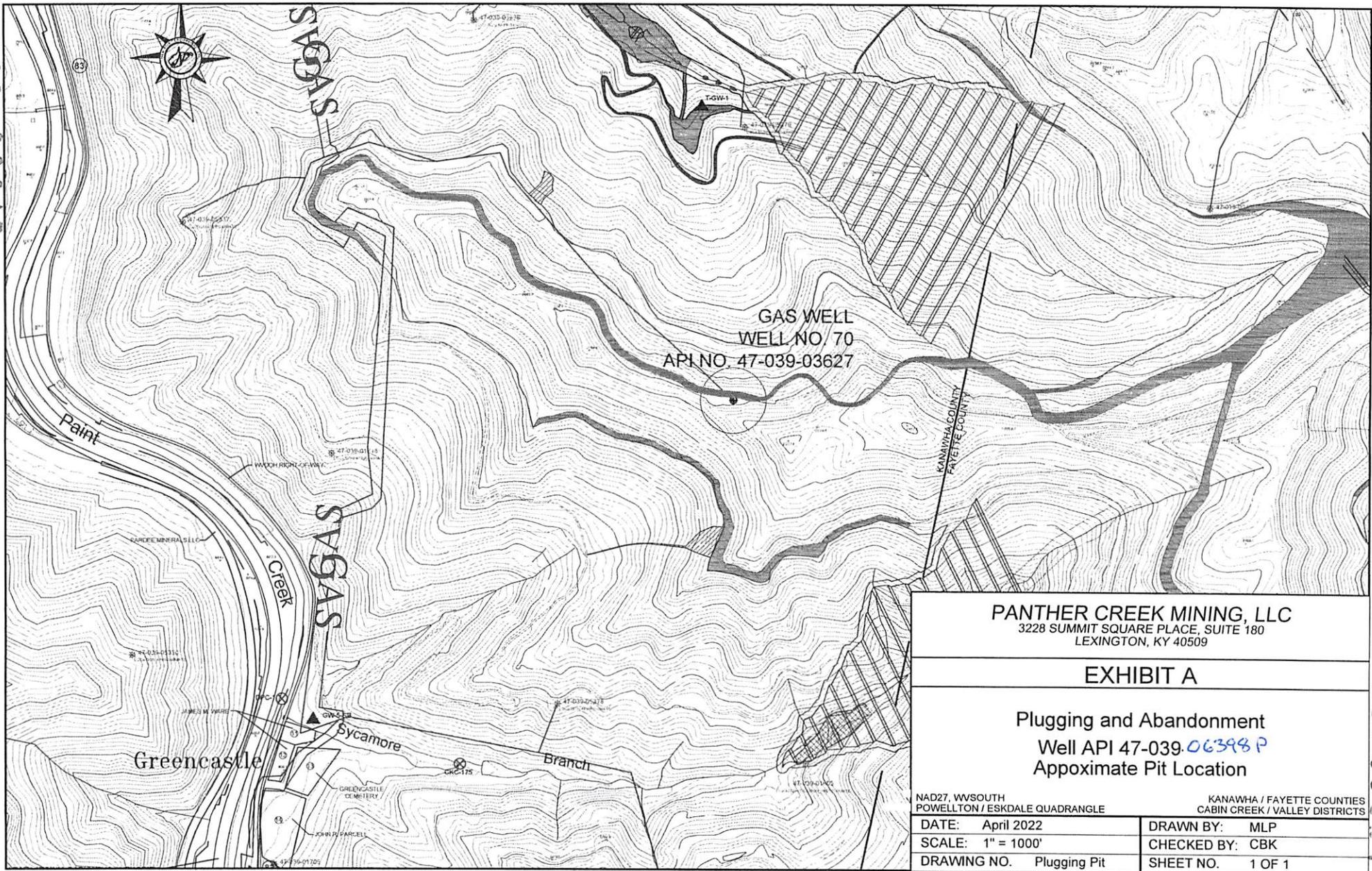
PANTHER CREEK MINING, LLC
3228 SUMMIT SQUARE PLACE, SUITE 180
LEXINGTON, KY 40509

EXHIBIT A

Plugging and Abandonment
Well API 47-039-06398P
Approximate Pit Location

NAD27, VWSOUTH POWELLTON / ESKDALE QUADRANGLE		KANAWHA / FAYETTE COUNTIES CABIN CREEK / VALLEY DISTRICTS	
DATE: April 2022	DRAWN BY: MLP		
SCALE: 1" = 100'	CHECKED BY: CBK		
DRAWING NO. Plugging Pit	SHEET NO. 1 OF 1		

470390698P



PANTHER CREEK MINING, LLC
 3228 SUMMIT SQUARE PLACE, SUITE 180
 LEXINGTON, KY 40509

EXHIBIT A

Plugging and Abandonment
 Well API 47-039-06398P
 Approximate Pit Location

NAD27, WVSOUTH POWELLTON / ESKDALE QUADRANGLE		KANAWHA / FAYETTE COUNTIES CABIN CREEK / VALLEY DISTRICTS	
DATE:	April 2022	DRAWN BY:	MLP
SCALE:	1" = 1000'	CHECKED BY:	CBK
DRAWING NO.	Plugging Pit	SHEET NO.	1 OF 1

47-039-06398 P

Legend

-  17 s 468242 4213450
-  Feature 1
-  Feature 2
-  Feature 3
-  Sunoco

17 s 468242 4213450 

Whittaker Post Office

Whittaker

Greencastle

83

64

Samore Branch

Google Earth



1 mi

47-039-03627P

Legend

-  17 s 468193 4213456
-  Maple Coal
-  Whittaker Post Office

17 s 468193 4213456 

Greencastle

CONNECTION WELL TO
47-039-06348P

Google Earth



1000 ft

4703906898

Lon/Lat

Longitude: - 81 d 21 m 43.40 s

Latitude: + 38 d 4 m 5.73 s

DD: -81.362056 38.068258

Datum: NAD27 NAD83

Convert

UTM

Coordinates: 468241.85 E 4213450.18 N

Datum: NAD27 NAD83 Zone: 17 v

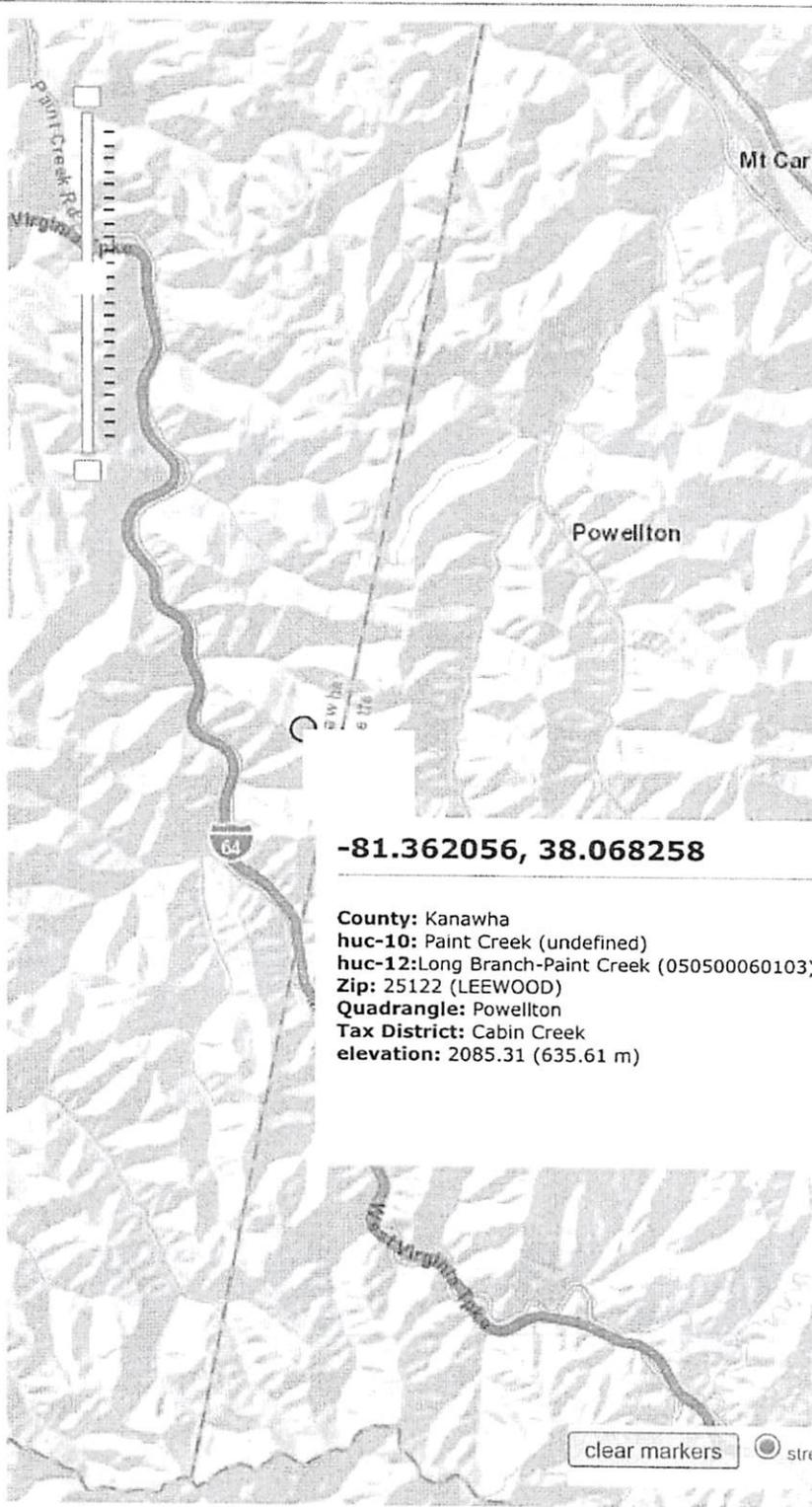
Convert

WV State Plane (feet)

Coordinates: 1895722.0850 E 389144.1280 N

Datum: NAD27 NAD83 Zone: South v

Convert



-81.362056, 38.068258

County: Kanawha
 huc-10: Paint Creek (undefined)
 huc-12: Long Branch-Paint Creek (050500060103)
 Zip: 25122 (LEEWOOD)
 Quadrangle: Powellton
 Tax District: Cabin Creek
 elevation: 2085.31 (635.61 m)

clear markers street map image topo



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-039-06398 P WELL NO.: 70 A

FARM NAME: EASTERN GAS & FUEL

RESPONSIBLE PARTY NAME: NREI

COUNTY: Kanawha DISTRICT: Cabin Creek

QUADRANGLE: Powellton

SURFACE OWNER: Quercus, West Virginia LLC

ROYALTY OWNER: Pardee Minerals LLC

UTM GPS NORTHING: ~~389114.128~~ 4213450 N

UTM GPS EASTING: ~~1895722.085~~ 468242 E GPS ELEVATION: 634.19 Meters
2080.67 Feet

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.**

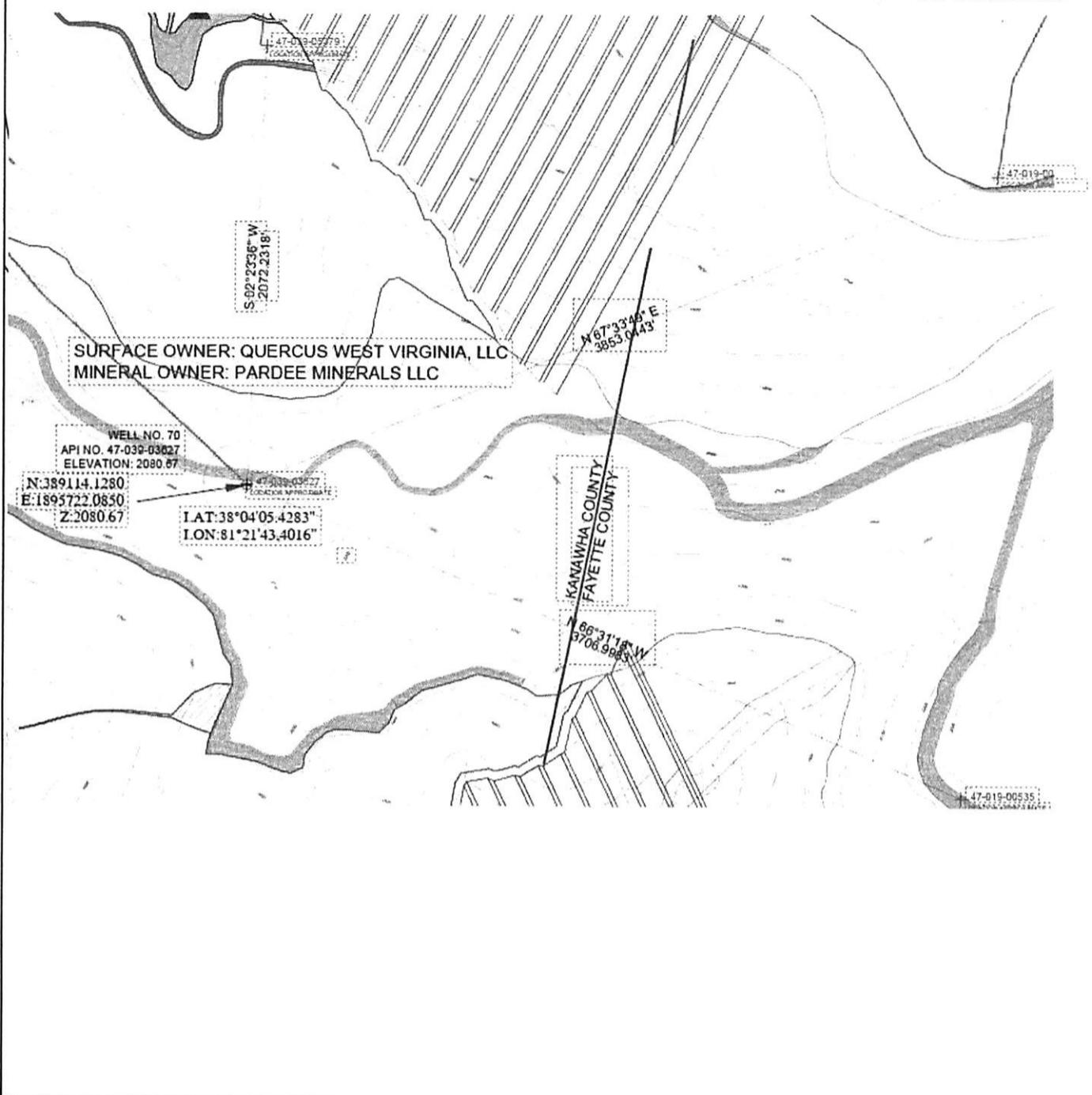
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Michael P. [Signature] Project Engineer 4-27-22
Signature Title Date

6000	389806	1899850	2116.996	RBC 1
1	389114.1	1895722	2080.67	WELL 090961
2	389120.3	1895673	2078.717	PLUGGED WELL 090151

4703906398
38°04'05.4283"

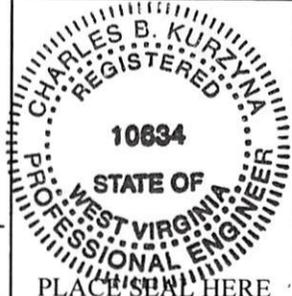
81°21'43.401"



FILE #: 47-039-06398
 DRAWING #: Gas Well 70
 SCALE: 1" = 600
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NREI (2080.67)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: C. B. Kurzyna
 R.P.E.: 10634 L.L.S.: _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: 4-25-22
 OPERATOR'S WELL #: 70
 API WELL #: 47 039 06398P
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: Tom's Branch of Cabin Creek ELEVATION: 2080.67

COUNTY/DISTRICT: 039-Kanawha / 2-Cabin Creek QUADRANGLE: 557 - POWELLTON

SURFACE OWNER: Quercus, West Virginia ACREAGE: 700.139

OIL & GAS ROYALTY OWNER: Pardee Minerals LLC, West Virginia ACREAGE: 700.139 **05/27/2022**

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: _____ ESTIMATED DEPTH: _____

WELL OPERATOR Panther Creek Mining
 Address 250 West Main St. Suite 2000
 City Lexington State KY Zip Code 40507

DESIGNATED AGENT CJ Well Service
 Address P.O. Box 133
 City Rowe State VA Zip Code 24646



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Plugging Vertical Well Work Permits API: (47-039-06398)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Mon, May 23, 2022 at 2:03 PM

To: Nick Hegedus <nhegedus@blackhawkmining.com>, Gary Acord <gacord@blackhawkmining.com>, mboland@blackhawkmining.com, "Urban, Terry W" <terry.w.urban@wv.gov>, Sallie Robinson <sallierobinson@kanawha.us>

I have attached a copy of the newly issued well [permit](#) numbers:

47-039-06398 - 70A

These will serve as your copy.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

2 attachments

 **IR-8 Blank.pdf**
237K

 **47-039-06398 - Copy.pdf**
7785K

05/27/2022