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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)

Wednesday, June 15, 2022  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

GREYLOCK CONVENTIONAL, LLC  
500 CORPORATE LANDING  
CHARLESTON, WV 25311

Re: Permit approval for 66  
47-005-00522-00-00

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: 66  
Farm Name: YAWKEY-FREEMAN  
U.S. WELL NUMBER: 47-005-00522-00-00  
Vertical Plugging  
Date Issued: 6/15/2022

## 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.

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### 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.

WW-4B  
Rev. 2/01

4700500522P

- 1) Date April 25, 2022
- 2) Operator's  
Well No. YAWKEY FREEMAN 66
- 3) API Well No. 47-005 - 0022

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

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APPLICATION FOR A PERMIT TO PLUG AND ABANDON

WV Department of  
Environmental Protection

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

5) Location: Elevation 1063 Watershed Turtle Creek  
District Washington County Boone Quadrangle Madison

6) Well Operator Greylock Conventional, LLC. 7) Designated Agent Joe Farris  
Address 500 Corporate Landing Address 500 Corporate Landing  
Charleston, WV 25311 Charleston, WV 25311

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Terry Urban Name R & R Well Services  
Address P.O. Box 1207 Address 42 Lynch Ridge Road  
Clendenin, WV 25045 Walton, WV 25286

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

**PLEASE SEE ATTACHED**

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

Work order approved by inspector \_\_\_\_\_ Date \_\_\_\_\_

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## Well Preparation and Plugging Procedure

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**Well Name:** Yawkey Freeman #66  
**API Number:** 47-005-00522  
**County/State:** Boone County, WV.  
**Service Date:** TBD  
**Inspector:** Terry Urban (304) 549-5915  
**Lat/Long:** 38.0270525/-81.8876336

**Note:** Well drilled in the 1940s. Well is on the WV consent order list.

Section	Size	Weight/Grade	Depth	Hole Size	TOC
Conductor	10 3/4"	NA	163'	NA	NA
Surface	8 1/4"	NA	686'	NA	NA
Production	6 5/8"	NA	1,358'	NA	NA
Tubing	2"	NA	2003'	NA	NA

**Current Status:** Well shut in.

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## Plugging Procedure

Lead with 6% gel on both

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### Procedure:

1. Prepare location for service rig
2. Blow well down
3. Pull tubing out of hole
4. Rig up and RIH with tubing string to TD
5. Tag Bottom and cleanout if needed
6. POOH with tubing and prep for cement
7. RIH and cement from TD to 1000'
8. Pull up and wash tools, WOC
9. Tag and verify TOC
10. Free point of 6 5/8" casing, rip or cut and POOH
11. Pending free point depth, pump cement from 750 – 400'
  - a. Use gel spacer between non cemented zones
12. Free point 8 1/4" casing, rip or cut and pull pipe — ATTEMPT TO PULL 10 3/4" 9 mm
13. RIH with tubing and cement from 220' – surface
14. Set monument 30" above ground with Well Name, API and plugged date

Operate to cover with Cement All  
Oil & Gas Formations including Salt, Elevation, Coals  
and Freshwater

*[Signature]*  
6-8-22

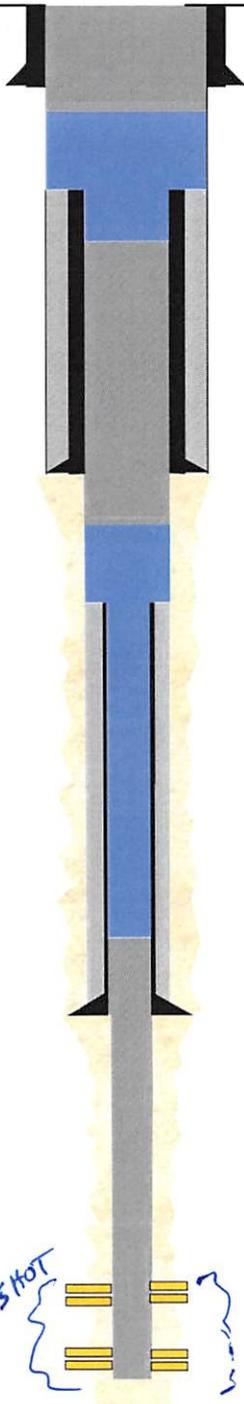
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# Plugged Wellbore Diagram

		Greylock OPCO, LLC.
		Yawkey Freeman #66
		API #: 47-005-00522
		Casing and Cementing Details (Current)
Boone Co., WV	Hole Size	Detailed Description
Casing Size	10 3/4" Set @ 163'	plug from 220' - 0'
<td>         Unknown Cement       </td>	Unknown Cement	Water @ 475'
<td>         Water @ 600'       </td>	Water @ 600'	Plug from 750' - 400'
<td>         Unknown Cement       </td>	Unknown Cement	Plug from TD to 1000'
<td>         8 1/4" set @ 686       </td>	8 1/4" set @ 686	Spang Anchor 2" x 6 5/8"
<td>         6 5/8" set @ 1358       </td>	6 5/8" set @ 1358	
<td>         2" U.E Set @ 2003'       </td>	2" U.E Set @ 2003'	
<td>         Perfs @ 2008 - 2037' SHOT       </td>	Perfs @ 2008 - 2037' SHOT	
<td>         TD 2037'       </td>	TD 2037'	

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# Well Information

F. O. No. 3-471-C	Map 154W	Lease No. 73235	Acres 27.21	Farm Name Yawkey - Fre...	Well No. 66
Quad-Madison	N. S. 96- W. 73	Location Made October 1, 1941	Purchased From		
B00-522	Civil District Washington	Rig Completed None	Date Purchased		
Elevation	County Boone	Dr'g Commenced March 25, 1942	Sold To		
Gr. 1063.92	State West Virginia	Dr'g Completed May 8th, 1942	Date Sold		
	Oil Rights Owned By	Dr'g Contractor	Date Abandoned		

FORMATION					CASING RECORD					
Kind	Top	Bottom	Steel Line Measurement	Tests	Size	Bottom Casing (Steel Line)	Put In Well (Tally Meas.)	Full	Cemented	
Yellow Clay	0	10			10 1/2"		163		Date	
Lime	10	15			8 1/2"		686		Size Cag.	
Black Slate	15	40			6-5/8"		1358		Top "	
Sand	40	70			2" U.S.		2003		Bot. "	
Black Slate	70	100			3" Com		34			
Lime Shell	100	150			PACKERS AND SHOES					
Black Slate	150	217								
Casing 10 1/2"		163			Kind	Size	Depth Set	Date Set		
Lime	217	230			Spang Anchor	2"x 6-5/8"				
Black Slate	230	328			Conical Sleeve	x 16"	1336	5-25-42		
Coal	328	330			TORPEDO RECORD					
Sand	330	373								
Slate	373	390			Date	No. Qts.	Size Shell	Top Shot	Bottom	Results
Sand	390	460			May 15-42	110	6'-6"	2008	2037	NoNe
Slate	460	465			May 25-42	1350 Gal	Acid	Shot with 25' Rock		No Results
Sand	465	746			DRILLING DEEPER					
Water		475								
Water		600		6- Bailer Per. Hole full.	Commenced	Completed	Original Depth	Final Depth	Contractor	
Casing 8 1/2"		685			ABANDONMENT RECORD					
Slate	746	750								
Salt Sand	750	951			Filed With	From	To	Size	Kind	Depth
Red Rock	951	965			Big Lime Base					
Blue Slate	965	983								
Salt Sand	983	1100								
Slate White	1100	1115								
Red Rock	1115	1121								
Lime Shell	1121	1124								
Red Rock	1124	1135								
Slate	1135	1203								
Maxon	1203	1245								
Black Lime	1245	1280								
Brake	1280	1283								
Lime Shell	1283	1313								
Pencil Cave	1313	1315								
Black Lime	1315	1326								
Casing 6-5/8"		1358								
Big Lime	1326	1500		47,130 CF. Blew to 21,050 CF						
Gas	1372	1375								
Big Injun	1500	1550								
Slate & Shell	1550	1700								

Initial Prod.	Sand	* At Completion	* 30Days After	*
Oil				
Gas	Berea	50,000	CF	✓
	B-Lime	21,000	C <sup>2</sup> F	

APPROVED: *[Signature]* Supt.

TESTS, REPORTS AND REMARKS ON REVERSE SIDE

06/17/2022

Formation	Col-r	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Cont'd.							
<del>XXXXXX</del>							
Big Injun			1500	1550			
Slate & Shell			1550	1700			
Slate			1700	1857			
Slate & Shells			1857	1880			
Gray Slate			1880	1993			
Darl Shale			1953	2008			
Berea			2008	2037			
					Gas	2010-2015	Show
					Gas	2015-2020	50,000 cu ft
Total Depth				2047			

Date November 2, 1942, 194

APPROVED SOUTH FEIN NATURAL GAS COMPANY Owner

By Edwin E. [Signature] Land Agent  
(Title)

06/17/2022

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Environmental Protection

# Current Wellbore

	Greylock OPCO, LLC. Yawkey Freeman #66 API #: 47-005-00522 Casing and Cementing Details (Current) Boone Co., WV		
	Casing Size	Hole Size	Detailed Description
	10 3/4" Set @ 163'	?	Unknown Cement
	8 1/4" set @ 686	?	Unknown Cement
	6 5/8" set @ 1358	?	Spang Anchor 2" x 6 5/8"
2" U.E Set @ 2003'	?		
Perfs @ 2008 - 2037'	?		
TD 2037'			

06/17/2022



Select County: (005) Boone  **Select datatypes:**  (Check All)

Enter Permit #: 00522

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 = 5 Permit = 00522**

Report Time: Monday, June 13, 2022 9:26:58 AM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4700500522	Boone	522	Washington	Mud	Madison	38.027426	-81.887432	422114.1	4209229.6

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	PROP_VD	PROP_TRGT
4700500522	5/8/1942	Original Loc	Completed	Yawkey & Freeman 66						South Penn Oil (S. Penn Nat. Gas)		

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
4700500522	5/8/1942	3/25/1942	1064	Ground Level	Curry-Jeffrey	Berea Ss	Berea Ss	Development Well	Development Well	Gas	unknown	Shot	2047		2047

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
4700500522	5/8/1942	Water	Fresh Water	Vertical				475					6
4700500522	5/8/1942	Water	Fresh Water	Vertical				600					28
4700500522	5/8/1942	Pay	Gas	Vertical			1372	Big Lime	0	0			
4700500522	5/8/1942	Pay	Gas	Vertical			2010	Berea Ss	0	0			

Production Gas Information: (Volumes in Mcf) \* 2021 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4700500522	Pennzoil Company	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Company	1982	4,562	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Company	1983	4,730	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Company	1984	5,708	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Products Company	1989	2,633	254	236	191	214	254	207	250	217	221	227	140	222
4700500522	Pennzoil Products Company	1990	2,511	220	210	234	191	208	206	229	189	206	210	177	231
4700500522	Pennzoil Products Company	1991	2,376	203	220	210	197	204	217	203	121	107	251	195	248
4700500522	Pennzoil Products Company	1992	2,419	195	190	229	193	187	241	179	194	185	211	201	214
4700500522	Pennzoil Products Company	1993	2,429	207	212	212	198	207	204	203	191	205	200	192	198
4700500522	Pennzoil Products Company	1994	2,280	193	201	196	169	192	190	192	185	186	182	194	200
4700500522	Pennzoil Products Company	1995	2,307	187	200	201	175	200	192	201	192	198	189	184	188
4700500522	Pennzoil Products Company	1996	1,979	194	194	195	180	190	184	185	173	182	32	89	181
4700500522	Pennzoil Products Company	1997	1,812	172	173	176	158	0	176	171	163	167	156	146	154
4700500522	Pennzoil Products Company	1998	1,897	159	162	164	146	161	156	160	160	154	165	154	156
4700500522	Pennzoil Products Company	1999	1,828	166	145	157	158	146	144	147	157	145	155	153	155
4700500522	East Resources, Inc.	2000	1,732	159	141	153	134	142	131	137	150	140	142	150	153
4700500522	East Resources, Inc.	2001	1,662	146	128	137	136	145	133	140	137	131	138	142	149
4700500522	Eastern American Energy Corp.	2002	204	0	0	0	0	0	0	0	0	0	0	100	104
4700500522	East Resources, Inc.	2002	1,493	140	123	138	139	142	136	138	134	134	137	0	132
4700500522	Eastern American Energy Corp.	2003	1,068	108	120	97	98	100	88	66	79	72	84	83	73
4700500522	Eastern American Energy Corp.	2004	854	73	49	68	61	74	65	83	69	79	86	73	74
4700500522	Eastern American Energy Corp.	2005	370	83	52	67	64	48	28	28	0	0	0	0	0

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4700500522	Eastern American Energy Corp.	2006	549	0	0	6	70	67	65	71	60	63	33	51	63
4700500522	Eastern American Energy Corp.	2007	514	62	48	40	28	0	0	37	58	45	65	73	58
4700500522	Eastern American Energy Corp.	2008	813	77	69	69	43	76	72	66	71	64	67	64	75
4700500522	Energy Corporation of America	2009	647	75	70	75	60	53	58	58	49	45	53	4	47
4700500522	Energy Corporation of America	2010	565	54	57	31	51	43	48	33	45	51	50	46	56
4700500522	Energy Corporation of America	2011	525	52	50	48	43	45	35	40	39	43	34	45	51
4700500522	Energy Corporation of America	2012	557	55	50	47	45	45	41	46	45	43	43	48	49
4700500522	Energy Corporation of America	2013	475	48	39	50	32	30	29	38	39	37	40	43	50
4700500522	Energy Corporation of America	2014	469	49	46	42	42	37	32	32	35	46	36	34	38
4700500522	Energy Corporation of America	2015	223	41	41	35	25	12	20	19	20	10	0	0	0
4700500522	Energy Corporation of America	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Greylock Conventional, LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Greylock Conventional, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Greylock Conventional, LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Greylock Conventional, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Oil Information: (Volumes in Bbl) \*\* some operators may have reported NGL under Oil \* 2021 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4700500522	Pennzoil Company	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Company	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Company	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Company	1984	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Products Company	1989	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Products Company	1990	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Products Company	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Products Company	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Products Company	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Products Company	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Products Company	1995	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Products Company	1996	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Products Company	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Products Company	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Pennzoil Products Company	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	East Resources, Inc.	2000	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	East Resources, Inc.	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Eastern American Energy Corp.	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	East Resources, Inc.	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Eastern American Energy Corp.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Eastern American Energy Corp.	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Eastern American Energy Corp.	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Eastern American Energy Corp.	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Eastern American Energy Corp.	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Eastern American Energy Corp.	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Energy Corporation of America	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Energy Corporation of America	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Energy Corporation of America	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Energy Corporation of America	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Energy Corporation of America	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Energy Corporation of America	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Energy Corporation of America	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Energy Corporation of America	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Greylock Conventional, LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Greylock Conventional, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Greylock Conventional, LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Greylock Conventional, 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 \* 2021 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
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47-005-00522P

4700500522	Energy Corporation of America	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Energy Corporation of America	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Energy Corporation of America	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Energy Corporation of America	2016	0												
4700500522	Greylock Conventional, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Greylock Conventional, LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Greylock Conventional, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons) \* 2021 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4700500522	Energy Corporation of America	2016	0												
4700500522	Greylock Conventional, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Greylock Conventional, LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4700500522	Greylock Conventional, 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
4700500522	Original Loc	unidentified coal	Well Record	328	Reasonable	2	Reasonable	1064	Ground Level
4700500522	Original Loc	3rd Salt Sand	Past WVGES Staff Geologist	983	Reasonable	117	Reasonable	1064	Ground Level
4700500522	Original Loc	Maxton	Well Record	1203	Reasonable	42	Reasonable	1064	Ground Level
4700500522	Original Loc	Pencil Cave	Well Record	1313	Reasonable	2	Reasonable	1064	Ground Level
4700500522	Original Loc	Greenbrier Group	Past WVGES Staff Geologist	1315	Reasonable	185	Reasonable	1064	Ground Level
4700500522	Original Loc	Big Lime	Past WVGES Staff Geologist	1325	Reasonable	175	Reasonable	1064	Ground Level
4700500522	Original Loc	Price Fm & equivs	Well Record	1500	Reasonable	537	Reasonable	1064	Ground Level
4700500522	Original Loc	Big Injun (Price&eq)	Well Record	1500	Reasonable	50	Reasonable	1064	Ground Level
4700500522	Original Loc	Sunbury Sh	Well Record	1993	Reasonable	15	Reasonable	1064	Ground Level
4700500522	Original Loc	Berea Ss	Well Record	2008	Reasonable	29	Reasonable	1064	Ground Level
4700500522	Original Loc	UDev undf:Ber/LoHURN	Well Record	2037	Reasonable	0	Reasonable	1064	Ground Level

There is no Wireline (E-Log) data for this well

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
4700500522	1319	1560	2003	2037									V17		

4700500522P

WW-4A  
Revised 6-07

1) Date: April 25 2022  
2) Operator's Well Number  
YAWKEE FREEMAN # 66

3) API Well No.: 47 - 005 - 00520

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

RECEIVED  
Office of Oil and Gas  
JUN 03 2022  
WV Department of  
Environmental Protection

4) Surface Owner(s) to be served:  
(a) Name Matthew & Heather Stultz  
Address 9150 Newark Road  
Nashport, OH 43830  
(b) Name Kyle & Christina Petterson  
Address 9150 Newark Road  
Nashport, OH 43830  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Terry Urban  
Address P.O. Box 1207  
Clendenin, WV 25045  
Telephone \_\_\_\_\_

5) (a) Coal Operator  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name Lexington Coal Company, LLC.  
Address 1051 Main Street, Suite 2  
Milton, WV 25541  
(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. 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 Greylock Conventional, LLC  
By: Travis Wendel  
Its: Permitting Supervisor  
Address 500 Corporate Landing  
Charleston, WV 25311  
Telephone 304-925-6100

Subscribed and sworn before me this 9th day of May 2022  
My Commission Expires July 20, 2025



Oil and Gas Privacy Notice Melissa A Knuckles

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).

06/17/2022

4700500522P

7021 2720 0002 8278 8545

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No. 180107 OH 43830

Certified Mail Fee \$3.75

- Extra Services & Fees (check box, add fees as appropriate)
- Return Receipt (hardcopy) \$0.00
- Return Receipt (electronic) \$0.00
- Certified Mail Restricted Delivery \$0.00
- Adult Signature Required \$0.00
- Adult Signature Restricted Delivery \$0.00

Postage \$1.76

Total Postage and Fees \$5.56

Sent To  
Kyle + Christina Petterson  
4150 Newark Road  
Newark OH 43830  
City, State, ZIP+4®  
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



7021 2720 0002 8278 8552

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CERTIFIED MAIL® RECEIPT  
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For delivery information, visit our website at [www.usps.com](http://www.usps.com)®

No. 180107 OH 43830

Certified Mail Fee \$3.75

- Extra Services & Fees (check box, add fees as appropriate)
- Return Receipt (hardcopy) \$0.00
- Return Receipt (electronic) \$0.00
- Certified Mail Restricted Delivery \$0.00
- Adult Signature Required \$0.00
- Adult Signature Restricted Delivery \$0.00

Postage \$1.76

Total Postage and Fees \$5.56

Sent To  
Matthew + Heather Shultz  
4150 Newark Road  
Newark OH 43830  
City, State, ZIP+4®  
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



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Milton, WV 25541

Certified Mail Fee \$3.75

- Extra Services & Fees (check box, add fees as appropriate)
- Return Receipt (hardcopy) \$0.00
- Return Receipt (electronic) \$0.00
- Certified Mail Restricted Delivery \$0.00
- Adult Signature Required \$0.00
- Adult Signature Restricted Delivery \$0.00

Postage \$1.76

Total Postage and Fees \$5.56

Sent To  
Lexington Coal Company, LLC  
1051 main Street, Suite 2  
Milton WV 25541  
City, State, ZIP+4®

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



959 929 2000 022 1201

06/17/2022

**SURFACE OWNER WAIVER**

4700500522P

Operator's Well  
Number

47-005-00522

**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.

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Office of Oil and Gas

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

**WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

JUN 09 2022

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

WV Department of  
Environmental Protection

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON  
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

Date

06/17/2022

WW-4B

4700500522P

API No. 47-005-00522  
Farm Name Yawkey Freeman # 66  
Well No. YAWKEY FREEMAN #66

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WV Department of  
Environmental Protection

**INSTRUCTIONS TO COAL OPERATORS  
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

**NOTE:** If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

**WAIVER**

The undersigned coal operator \_\_\_\_\_ / owner  / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_

\_\_\_\_\_  
By: \_\_\_\_\_  
Its \_\_\_\_\_

06/17/2022

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

Operator Name Greylock Conventional, LLC. OP Code 494521205

Watershed (HUC 10) Turtle Creek Quadrangle Madison

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 \_\_\_\_\_)

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Will closed loop system be used? If so, describe: Yes, tank returns at tanks WV Department of Environmental Protection

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

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

Additives to be used in drilling medium? \_\_\_\_\_

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. No cuttings expected

-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 [Signature]

Company Official (Typed Name) Travis Wendel

Company Official Title Permitting Supervisor

Subscribed and sworn before me this 9th day of May, 2022

Melissa A. Knuckles  
My commission expires July 20, 2025



Proposed Revegetation Treatment: Acres Disturbed 1.0 Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-10-20

Fertilizer amount 500 lbs/acre

Mulch Hay Bales Tons/acre

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WV Department of  
Environmental Protection

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
ORCHARD GRASS	12	ORCHARD GRASS	12
LANDINO CLOVER	3	LANDINO CLOVER	3
TIMOTHY	10	TIMOTHY	10

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *August White*

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: *Inspect Oil & Gas* Date: *6-8-22*

Field Reviewed?  Yes  No

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

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Office of Oil and Gas  
  
JUN 09 2022

Operator Name: Greylock Conventional, LLC. WV Department of Environmental Protection  
Watershed (HUC 10): TURTLE CREEK Quad: Madison  
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.

N/A - no discharge of fluids

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

Closed loop system, all returns will be taken in tanks and hauled to WVDEP approved facility.

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

N/A

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

N/A

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

06/17/2022

N/A

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JUN 09 2022  
WV Department of  
Environmental Protection

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

Greylock will not use any waste material for deicing or fill material on 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.

N/A SEE SECTION 2

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

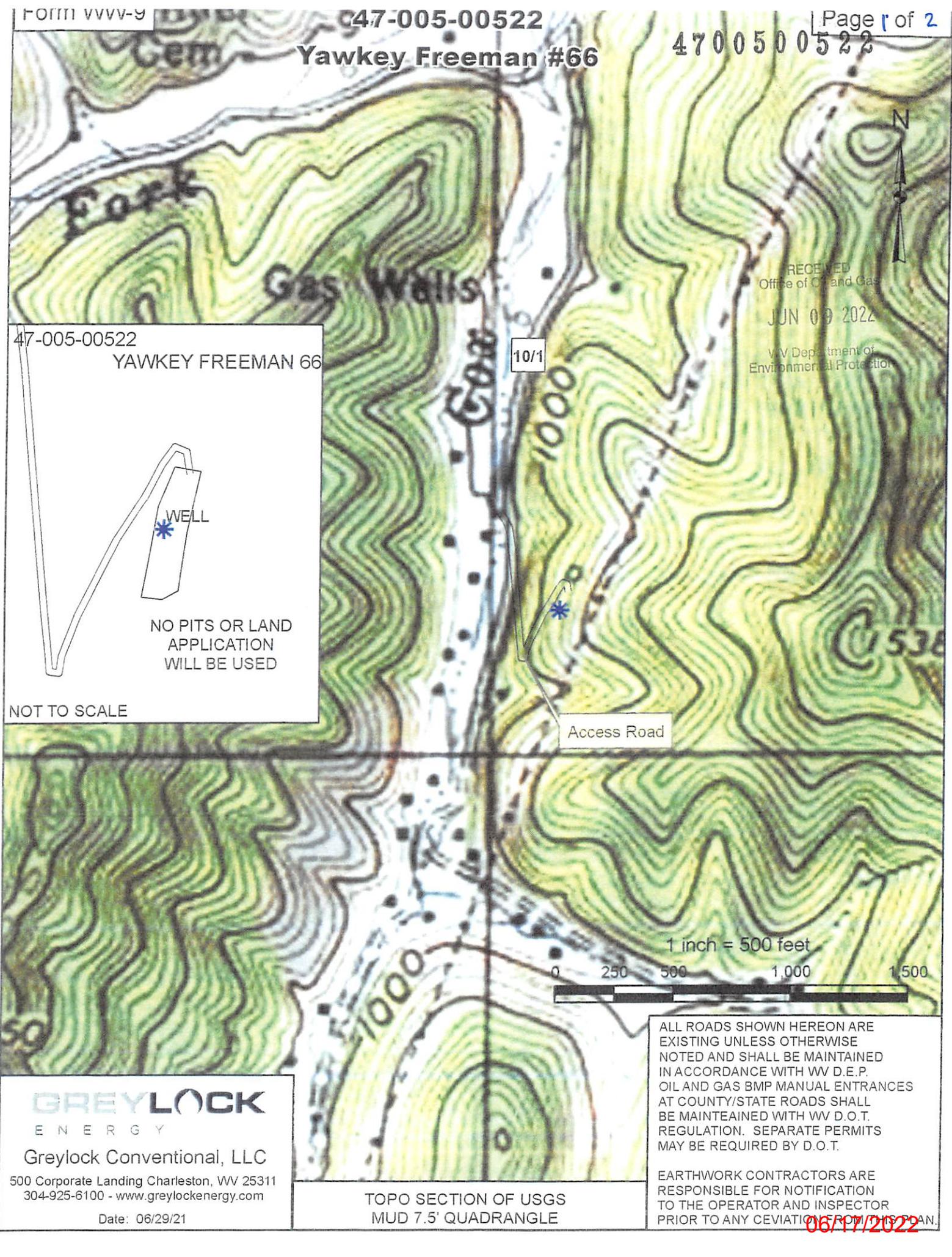
Daily inspections of equipment will be preformed

Signature: *[Handwritten Signature]*

Date: 5-9-22

# Yawkey Freeman #66

4700500522



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 Office of Oil and Gas  
 JUN 09 2022  
 WV Department of  
 Environmental Protection

47-005-00522  
 YAWKEY FREEMAN 66

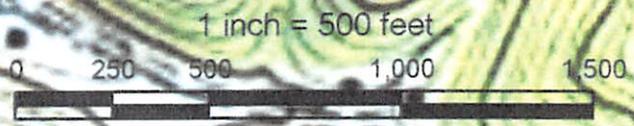
WELL

NO PITS OR LAND APPLICATION WILL BE USED

NOT TO SCALE

10/1

Access Road



**GREYLOCK**  
 ENERGY

Greylock Conventional, LLC  
 500 Corporate Landing Charleston, WV 25311  
 304-925-6100 - www.greylockenergy.com

Date: 06/29/21

TOPO SECTION OF USGS  
 MUD 7.5' QUADRANGLE

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

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

06/17/2022

Well Location map for  
47-005-00522  
Yawkey Freeman #66

Northing: 4209180.986  
Easting: 422095.3562  
Elevation: 1090.70 ft

UTM NAD83 Zone 17N Meters

Greylock Conventional, LLC  
500 Corporate Landing  
Charleston, WV 25311

212  
4700500522 P



06/17/2022

WW-7  
8-30-06



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

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Office of Oil and Gas

JUN 09 2022

WV Department of  
Environmental Protection

API: 47-005-00522 WELL NO.: \_\_\_\_\_

FARM NAME: Yawkey Freeman # 66

RESPONSIBLE PARTY NAME: Greylock Conventional, LLC

COUNTY: BOONE DISTRICT: MADISON WASHINGTON

QUADRANGLE: TURTLE CREEK MADISON

SURFACE OWNER: Matthew & Heather Stultz

ROYALTY OWNER: Kyle & Christina Peterson

UTM GPS NORTHING: 4209180.986

UTM GPS EASTING: 422095.3562 GPS ELEVATION: 332.44 (1090.70 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:

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

Survey grade GPS \_\_\_\_: Post Processed Differential \_\_\_\_

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

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

Real-Time Differential X

- 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

Permitting Supervisor  
Title

5-9-22  
Date

JUN 09 2022

WV Department of  
Environmental Protection

## PLUGGING PERMIT CHECKLIST

## Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
  
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT <sup>no</sup> 2<sup>nd</sup> pg
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED



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

---

## Plugging Vertical Well Work Permit API: (47-005-00522)

1 message

---

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

Wed, Jun 15, 2022 at 8:02 AM

To: Travis Wendel <twendel@greylockenergy.com>, scook@wvassessor.com, pwhite@boonecountywv.net, "Urban, Terry W" <terry.w.urban@wv.gov>

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

**47-005-00522- 66**

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](mailto:Wade.A.Stansberry@wv.gov)**

---

### 2 attachments

 **47-005-00522 - Copy.pdf**  
5747K

 **5-00522 IR-8.pdf**  
249K

**06/17/2022**