

03/10/2023



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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)

Tuesday, March 7, 2023

WELL WORK PLUGGING PERMIT  
Vertical Plugging

PIN OAK OPERATING, LLC  
388 S. MAIN ST. SUITE 401

AKRON, OH 44311

Re: Permit approval for 10  
47-073-00467-00-00

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: 10  
Farm Name: WV, STATE OF  
U.S. WELL NUMBER: 47-073-00467-00-00  
Vertical Plugging  
Date Issued: March 7, 2023

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4707300467P  
03/10/2023

## 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.

WW-4B  
Rev. 2/01

1) Date November 8, 2022  
2) Operator's  
Well No. 494527826  
3) API Well No. 47-073 - 0467

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation 610' Watershed Middle Island Creet  
District Union County Pleasants Quadrangle Raven Rock

6) Well Operator Pin Oak Operating LLC 7) Designated Agent CT Corporation  
Address 388 S. Main St., Suite 401 Address 5098 Washington St., W, Suite 407  
Akron, OH 44311 Charleston, WV 25313-1561

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Steven McCoy Name RBD Drilling LLC  
Address 13016 Indian Creek Road Address 34209 CR 383  
Jacksonburg, WV 26377 Warsaw, OH 43844

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

SEE ATTACHED WORK ORDER.

RECEIVED  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DEC 9 2022  
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 Stephen Mccoy Digitally signed by Stephen Mccoy Date: 2022.11.16 09:16:18 -05'00' Date 11/16/2022

API No. 47-073-00467P  
WV State Farm #10

WW-4B

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

- GEL SPACERS BETWEEN ALL CLASS A  
CEMENT PLUGS. gmm
- 1 Move on location.
  - 2 Blow down well.
  - 3 Pull 2" tubing If possible. If not able to pull, then freepoint 2", cut & POOH with tubing.
  - 4 Hole should be open from TD of 1302' to 555'. Bottom of 6 5/8" casing.
  - 5 Load open hole with gel up into the 6 5/8" casing. Well was shot from 1277' to 1286'.
  - 6 Set bottom hole Class A plug from TD of 1302' to 1070'. Above Salt Sand pay zones.
  - 7 Pull tubing up into casing at 555'. WOC (4-8 hours)
  - 8 TIH with tubing to top of cement. Tag cement. Add cement if needed. TOC 1070'.
  - 9 Gel spacer from 1070' to 912'. Set Class A Cement plug from 912' to 812'. Gas show.
  - 10 WOC. Set next Class A cement plug from 812' to 700' covering SW show @ 750'.
  - 11 Free Point, cut and pull out of hole with 6 5/8" casing. Set a 250' Class A cement plug 700' to 450' covering elevation and gas/water flow at 500'. If 6 5/8" was cut set a 100' Class A plug across the casing cut. WOC (4-8 hours)
  - 12 Gel spacer from 450'-200'. Pull 8 1/4" and 10" out of the hole. Set a 200' Class A cement plug to surface.
  - 13 If casing cannot be pulled, then perforate or rip casing as needed to seal the wellbore and annulus from 200' to surface.
  - 14 Set a monument per WV State Code regulations.
  - 15 Rig down, move off and reclaim location.



4707300467P 03/10/2023

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Quadrangle H. Ways  
Permit No. Plas. 487

Oil or Gas Well Oil  
(KIND)

Company L. G. White & etal  
Address Raven Rock, W. Va.  
Farm State Farm Acres 700  
Location (waters) Ohio River  
Well No. 10 Elev. 610'  
District Union County Pleasants  
The surface of tract is owned in fee by State Of W. Va.  
Address \_\_\_\_\_  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling commenced June 1953  
Drilling completed July 1953  
Date Shot August From 1277 To 1286  
With 150 # Gelatin  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 50,000 ft. estimated Cu. Ft.  
Rock Pressure 225 lbs. 8 hrs. hrs.  
Oil 3 bbls bbls., 1st 24 hrs.  
Fresh water 40 to 100 feet feet  
Salt water Small amount at feet 750 feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	64	64	Size of
8 1/2	165	165	
6 1/2	555	555	Depth set
5 3/16			
3			Perf. top <u>1290</u>
2		1300	Perf. bottom <u>1292</u>
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface fill to			0 n	40			
Sand & Gravel			40	64			
Blue Slate			64	158			
White Slate			158	220			
Lime light	hard		220	227			
Slate light	solid		227	285			
Rock red	medium		285	300			
Lime hard	light		300	306			
Slate grey	Med.		306	318			
Rock red	Med		318	326			
Slate green	med.		326	365			
Slate black	soft		365	390			
Sand grey	hard		390	400			
Shelly light	solid		400	448			
Rock red	med		448	471			
Slate green	med		471	500			
Sand grey	med		500	545			Gas with water at 500
Slate black	med		545	592			
Slate light	solid		592	620			
Slate light	soft		620	695			
Slate light	med.		695	750			Little Salt Water 750
Sand grey	med		750	785			
Slate dark	med		785	802			
Slate light	soft		802	810			
slate light	med		810	835			
Slate black	med		835	890			
Sand grey	med		890	933			Gas from 912 to 924
Shale dark	solid		933	962			
Shale "	med		962	1065			
Slate med	med		1065	1100			
Sand grey	med		1100	1132			Gas 1120 to 1132
Slate dark	med		1132	1155			
Sand grey	med		1155	1198			
Shale black	med		1198	1228			Light show oil 1195
Lime light	hard		1228	1238			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand Shale Sand Injun	blue blue sand	soft soft med	1238 1275 1278	1275 1278 drilled to a totla depth of 1302			

Date Aug 27, 1953  
 APPROVED [Signature] Owner  
 By [Signature]  
 (Title)



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

Select County: (073) Pleasants  (Check All)

Enter Permit #: 00467

Get Data  Reset

Select datatypes:  (Check All)

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

Report Time: Monday, March 06, 2023 10:44:04 AM

Well: County = 73 Permit = 00467 [Link to all digital records for well](#)

WV Geological & Economic Survey:

Location Information: [View Map](#)

API COUNTY PERMIT TAX DISTRICT QUAD 75 QUAD 15 LAT DD LON DD UTM E UTM N  
 4707:300467 Pleasants 467 Union Raven Rock St. Marys 39.436049 -81.168359 485511.4 4365180.7

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\_FM TFM\_EST\_PR  
 4707:300467 7/1953 Original Loc Completed State Farm 10 White, L. C., & Son

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 G\_BEF G\_AFT O\_BEF O\_AFT NGL\_BEF NGL\_AFT P\_BEF TI\_BEF P\_AFT T  
 4707:300467 7/1953 610 Ground Level St. Marys Big Injun (Price&Seg) Development Well Oil and Gas unknown Shot 1302 1302 0 0 50 0 0 0 0 0 0 0 0 0 0 0

Pay/Show/Water Information:

API CMP\_DT ACTIVITY PRODUCT SECTION DEPTH\_TOP FM\_TOP DEPTH\_BOTTOM FM\_BOTTOM G\_BEF G\_AFT O\_BEF O\_AFT WATER\_ONLY  
 4707:300467 7/1953 Water Fresh Water Vertical 40 100 0 0  
 4707:300467 7/1953 Water Fresh Water Vertical 150 750 0 0  
 4707:300467 7/1953 Pay Oil & Gas Vertical 1132 Salt Sands (undiff) 0 0

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
4707:300467	Gecco Oil & Gas Joint Venture	1999	7	0	0	0	0	5	0	0	0	1	0	0	1
4707:300467	Triad Resources, Inc.	2000	6	0	0	0	0	0	0	0	0	0	6	0	0
4707:300467	Triad Resources, Inc.	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Resources, Inc.	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2011	5	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2012	8	0	0	0	0	0	0	0	0	0	0	0	8
4707:300467	Triad Hunter LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2014	16	0	0	0	1	1	2	3	3	1	2	3	0
4707:300467	Triad Hunter LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	SWN Production Company, LLC	2021	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

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4707:300467	Gecco Oil & Gas Joint Venture	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Resources, Inc.	2000	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Resources, Inc.	2002	12	1	1	1	1	1	1	1	1	1	1	1	1
4707:300467	Triad Resources, Inc.	2009	2	0	0	0	0	0	0	0	0	0	0	0	2
4707:300467	Triad Hunter LLC	2010	2	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	SWN Production Company, LLC	2021	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
4707:300467	Triad Hunter LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	SWN Production Company, LLC	2021	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
4707:300467	Triad Hunter LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4707:300467	Triad Hunter LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0

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4707300467 Tried Hunter LLC 2020  
4707300467 SWN Production Company, LLC 2021 0

Stratigraphy Information:

API	SUFFIX	FM	FM QUALITY	DEPTH _TOP	DEPTH QUALITY	THICKNESS	THICKNESS QUALITY	ELEV	DATUM
4707300467	Original Loc	Up Frey/Bulir Ss	Past WVGES Staff Geologist	500	Reasonable	45	Reasonable	610	Ground Level
4707300467	Original Loc	Homewrd Ss/Zn Cow Run	Past WVGES Staff Geologist	750	Reasonable	35	Reasonable	610	Ground Level
4707300467	Original Loc	1st Salt Sand	Past WVGES Staff Geologist	890	Reasonable	43	Reasonable	610	Ground Level
4707300467	Original Loc	3rd Salt Sand	Past WVGES Staff Geologist	1100	Reasonable	32	Reasonable	610	Ground Level
4707300467	Original Loc	Maxton	Past WVGES Staff Geologist	1155	Reasonable	43	Reasonable	610	Ground Level
4707300467	Original Loc	Greenbiker Group	Past WVGES Staff Geologist	1228	Reasonable	50	Reasonable	610	Ground Level
4707300467	Original Loc	Big Lime	Past WVGES Staff Geologist	1228	Reasonable	10	Reasonable	610	Ground Level
4707300467	Original Loc	Keener	Past WVGES Staff Geologist	1238	Reasonable	37	Reasonable	610	Ground Level
4707300467	Original Loc	Big Injun (Pica&eq)	Well Record	1278	Reasonable	0	Reasonable	610	Ground Level

Wireline (E-Log) Information:

- \* There is no Scanned/Paper Log data for this well
- \* There is no Digitized Log data for this well
- \* There is no Scanned or Digital Logs available for download
- \* There is no Plugging data for this well
- \* There is no Sample data for this well



03/10/2023  
4707300467P

WW-4A  
Revised 6-07

1) Date: 11-8-2022  
2) Operator's Well Number  
494527626

3) API Well No.: 47 - 073 - 0467

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 WV Dept. of Agriculture  
Address 1900 Kanawha Blvd E., Bldg 1, Room E-28  
Charleston, WV 25305

(b) Name  
Address

(c) Name  
Address

5) (a) Coal Operator

Name NA  
Address

(b) Coal Owner(s) with Declaration

Name NA  
Address

(c) Coal Lessee with Declaration

Name NA  
Address

6) Inspector Stephen McCoy  
Address Jacksonburg, WV 26377  
Telephone 681-344-3265

RECEIVED  
DEC 3 2022  
Department of Environmental Protection

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 Pln Oak Operating LLC  
By: Mark H. Van Tyne  
Its: Chief Business Development Officer  
Address 388 S. Main Street, Suite 401  
Akron, OH 44311  
Telephone 888-748-0763 Ext. 701

Subscribed and sworn before me this 8th day of November  
My Commission Expires 1-1-2023

NOTARIAL SEAL  
LESLIE A. GEARHART  
NOTARY PUBLIC, STATE OF OHIO  
WASHINGTON COUNTY  
My Comm. Expires Jan. 01, 2023

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).

47073004670  
03/10/2023



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

7020 0090 0000 4139 9435

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

Charleston, WV 25301

MARIETTA, OHIO  
NOV 10 2022  
Permit # 53  
45750-3998

Certified Mail Fee	\$4.00
Extra Services & Fees (check box, add fee if appropriate)	\$7.25
<input type="checkbox"/> Return Receipt (hardcopy)	\$1.70
<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	\$1.68
Total Postage and Fees	\$8.93

Sent To WV Farm Management Commission  
Street and Apt. No., or PO Box No. 1900 Kanawha Blvd. East St. Capitol Rm  
City, State, ZIP+4® Charleston, WV 25305-0170 E-28

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

Via Certified Mail 7020 0090 0000 4139 9435

November 11, 2022

WV Department of Agriculture  
1900 Kanawha Boulevard  
East State Capitol, Room E-28  
Charleston, WV 25305-0170

RE: WV State Farm #10 well  
Permit #47-073-0467

Dear WV Department of Agriculture:

Pin Oak Operating LLC ("Pin Oak") is the current owner of the WV State Farm #10 well located in Union District, Pleasants County, WV. I have attached map to show the location of the well that is in Union District, Pleasants County. This well was drilled in 1953.

Pin Oak plans to plug the WV State Farm #10 well. This well is part of a Consent Order issued by the WV Department of Environmental Protection ("WV DEP"), Office of Oil and Gas. Attached is the Plugging Application submitted to the WV DEP, Office of Oil and Gas.

If you have any questions regarding the enclosed paperwork, feel free to give me a call.

Respectfully,

Leslie A. Gearhart

RECEIVED  
OFFICE OF OIL AND GAS

DEC 3 2022

WV Department of  
Environmental Protection

Pin Oak Energy Partners LLC  
388 S. Main Street, Suite 401  
Akron, Ohio 44311

Leslie A. Gearhart  
Regulatory Compliance Manager  
[leslie.gearhart@pinoakep.com](mailto:leslie.gearhart@pinoakep.com)  
740-516-5390

4707300467 03/10/2023

WW-4B

API No. NA  
Farm Name \_\_\_\_\_  
Well No. 470730467

**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: \_\_\_\_\_

NA

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

Its \_\_\_\_\_

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03/10/2023  
4707300467P

WW-9  
(5/16)

API Number 47 - 073 - 0467  
Operator's Well No. 494527626

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

Operator Name Ptn Oak Operating LLC OP Code \_\_\_\_\_  
Watershed (HUC 10) Middle Island Creek Quadrangle Raven Rock

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

Will a pit be used? Yes  No  **ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS BEFORE DISPOSING OFF SITE. jmm**

If so, please describe anticipated pit waste: \_\_\_\_\_  
Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? NA

- Proposed Disposal Method For Treated Pit Wastes:
- \_\_\_\_\_ Land Application (if selected provide a completed form WW-9-GPP)
  - \_\_\_\_\_ Underground Injection ( UIC Permit Number \_\_\_\_\_)
  - \_\_\_\_\_ Reuse (at API Number \_\_\_\_\_)
  - Off Site Disposal (Supply form WW-9 for disposal location)
  - \_\_\_\_\_ Other (Explain \_\_\_\_\_)

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

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. NA  
-If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used in drilling medium? NA

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

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

-Landfill or offsite name/permit number? Mud Masters, Friendly, WV

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.

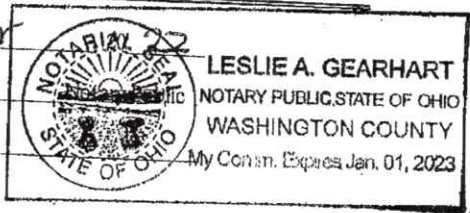
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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) Mark H. Van Tyne  
Company Official Title Chief Business Development Officer

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Department of Environmental Protection

Subscribed and sworn before me this 8th day of November  
[Signature]  
My commission expires 1-1-2023



Stephen Mccoy

Digitally signed by Stephen Mccoy  
Date: 2022.11.16 09:17:23 -05'00'

Form WW-9

Operator's Well No. 494527626

Proposed Revegetation Treatment: Acres Disturbed 2 Prevegetation pH 6.8

Lime 3 Tons/acre or to correct to pH 6.8

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch: 20 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Contractors Mix	40		
Kentucky Bluegrass	40		

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 Stephen Mccoy

Digitally signed by Stephen Mccoy  
Date: 2022.11.16 09:18:49 -05'00'

Comments:

Title: WV Oil and Gas Inspector

Date: 11/16/2022

Field Reviewed? ( ) Yes ( X ) No

DEC 3 2022

# Pin Oak Operating

API 47-073-00467P

4707300467P

## Legend



17 s 485511 4365181

17 s 485511 4365181

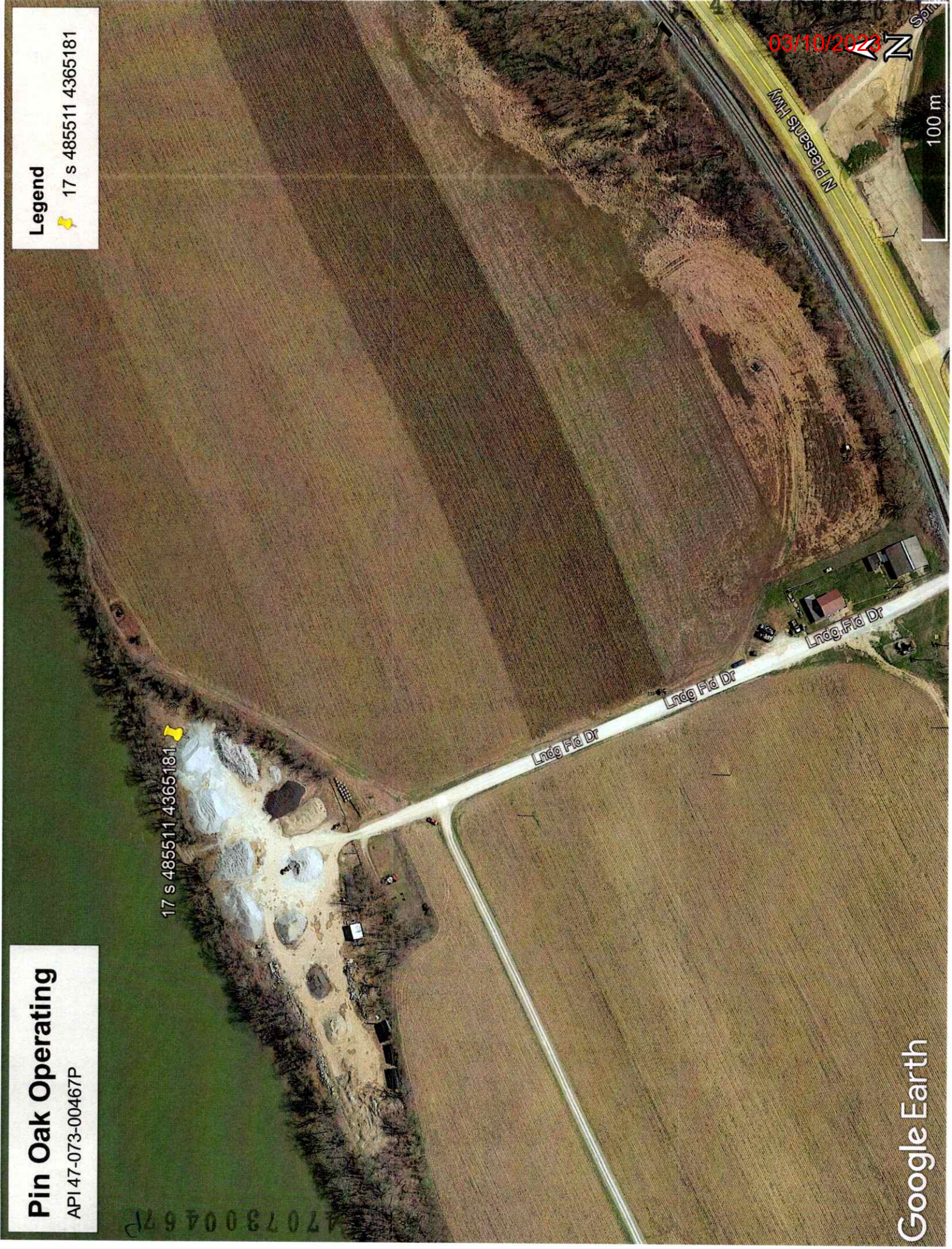


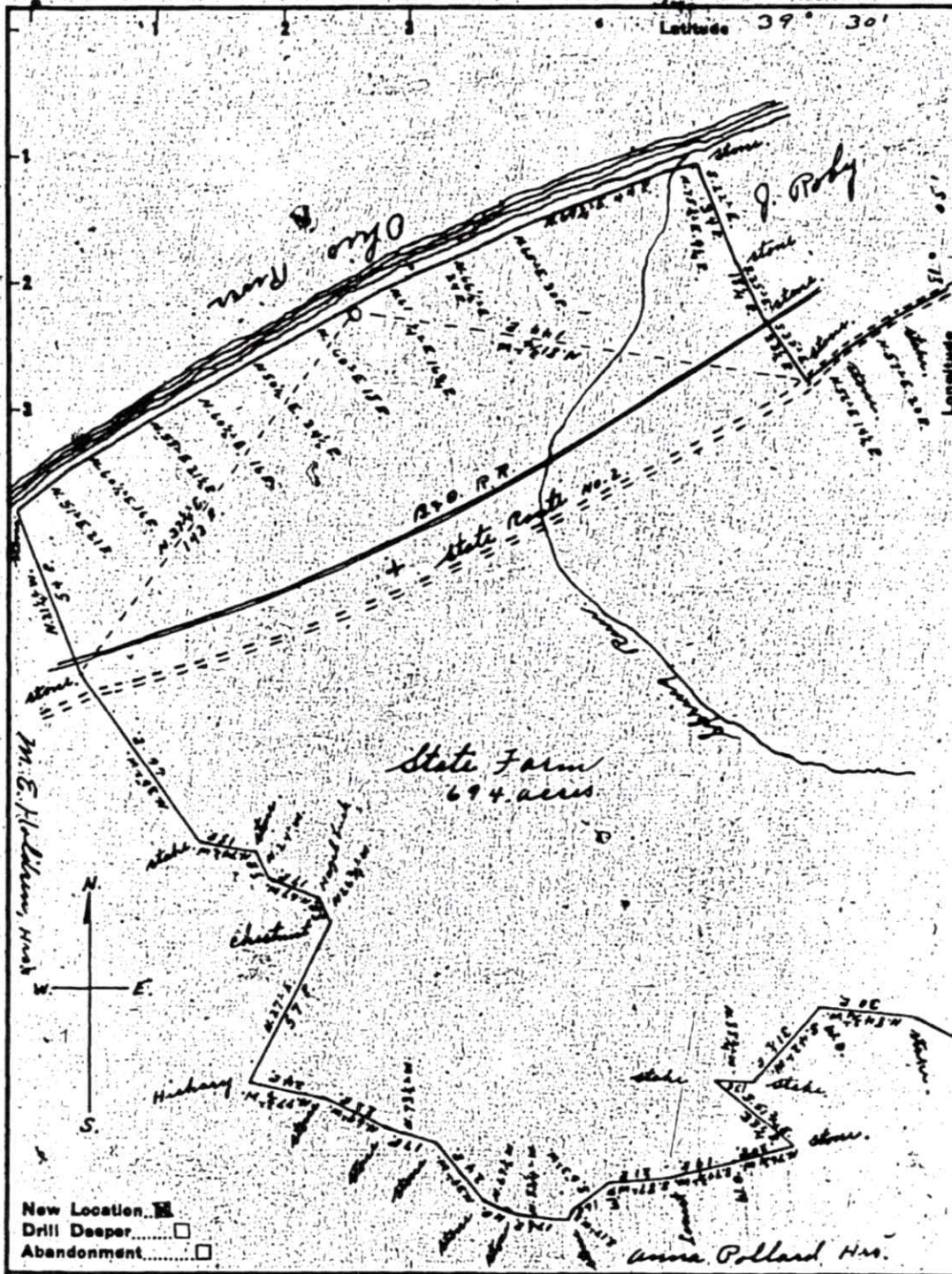
03/10/2023



100 m

Google Earth





New Location   
 Drill Deeper   
 Abandonment

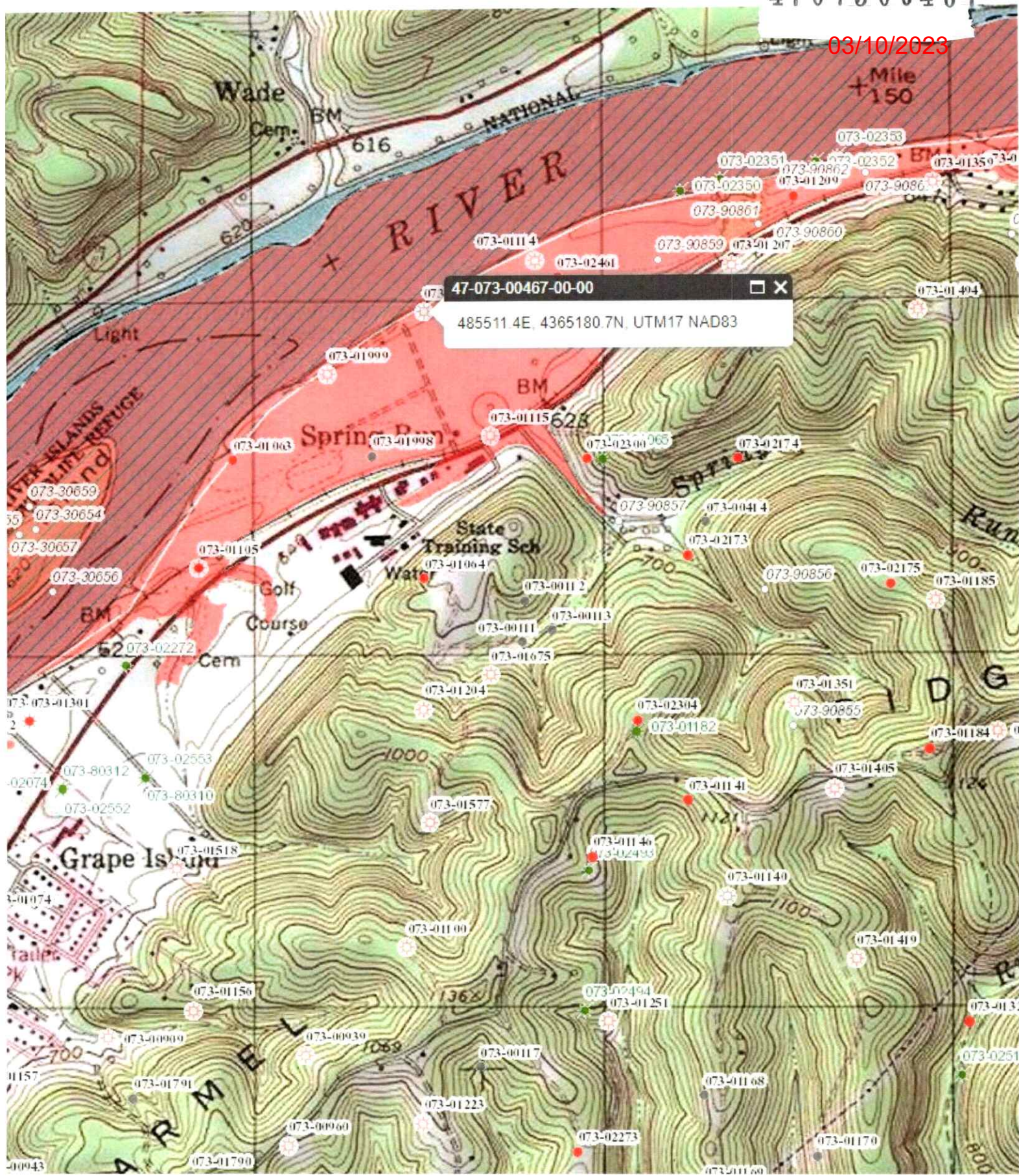
Company L. C. White and Son  
 Address Raven Rock, W. Va.  
 Farm State Farm  
 Tract \_\_\_\_\_ Acres 694 Lease No. \_\_\_\_\_  
 Well (Farm) No. 10 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 610  
 Quadrangle St. Marys  
 County Pleasant District Union  
 Engineer Robert R. Anderson  
By Geo. Triplett, Surveyor  
 Engineer's Registration No. 236  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date May 18, 1953 Scale 1" = 40 P.

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

**WELL LOCATION MAP**  
 FILE NO. PLEAS-467

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

03/10/2023



47-073-00467-00-00

485511.4E, 4365180.7N, UTM17 NAD83



03/10/2023  
4707300467

WW-7  
8-30-06



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

API: 47-073-00467 WELL NO.: 10  
FARM NAME: WV State Farm  
RESPONSIBLE PARTY NAME: Pin Oak Operating LLC  
COUNTY: Pleasants DISTRICT: Union  
QUADRANGLE: Raven Roack  
SURFACE OWNER: WV Department of Agriculture  
ROYALTY OWNER: WV Department of Agriculture  
UTM GPS NORTHING: 436518L  
UTM GPS EASTING: 4855L GPS ELEVATION: 610'

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.**

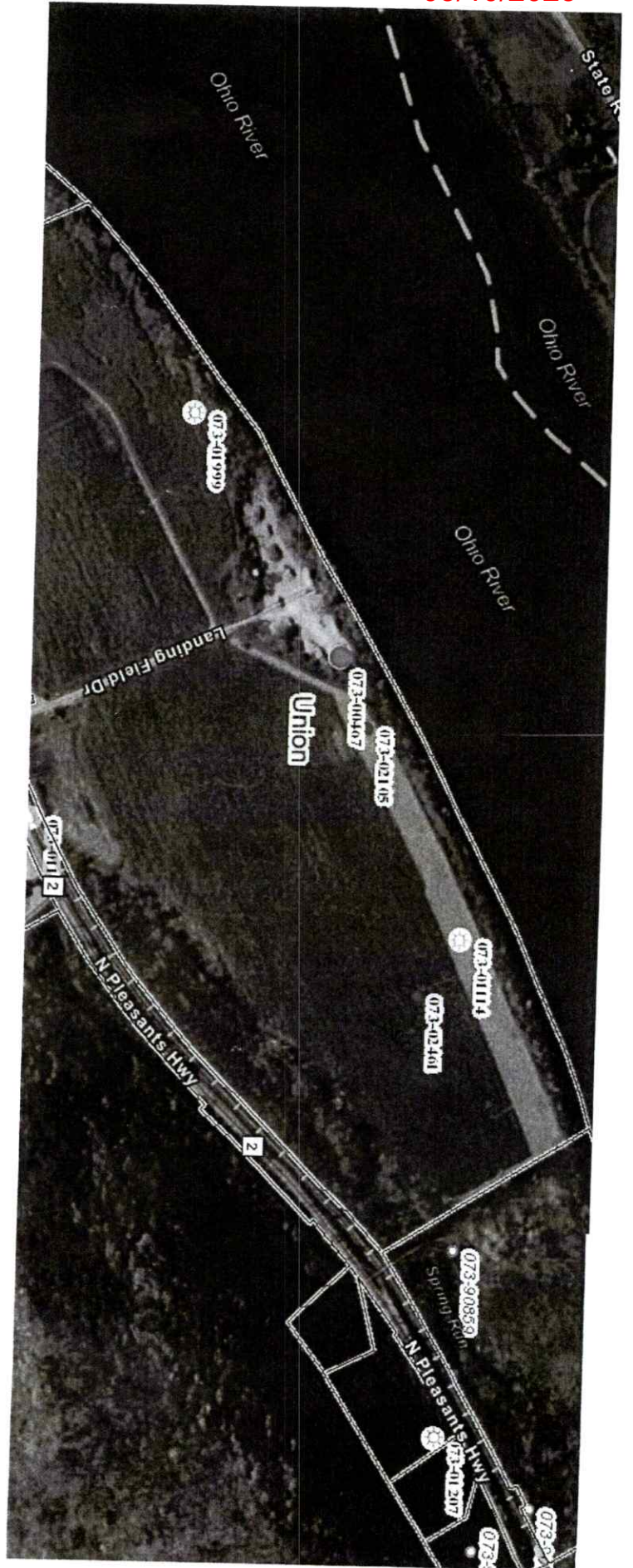
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Signature  
Mark H. Van Tyne

Chief Business Development Officer  
Title

11/8/22  
Date

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 OFFICE OF THE CLERK  
 DEC 3 2022  
 IN THE COUNTY OF  
 TOWNSHIP OF UNION

TAXES: pleasants-tax.com/compiled-technologies.com

MAP: mapwv.gov/parcel

03/10/2023

4707300467P



November 30, 2022

Taylor Brewer, B.S., M.S.  
Assistant Chief – Permitting  
WVDEP Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

RE: Two (2) Plugging Permits, Pleasants County

Dear Taylor –

Enclosed are two (2) Plugging Permits for the following wells:

- 1) Tackett #1, 47-073-1129
- 2) WV State Farm #10, 47-073-0467

We would like to plug the Tackett #1 before year end. If you have any questions on the enclosed, just let me know. Thanks.

Sincerely,

A handwritten signature in purple ink, appearing to read "Leslie A. Gearhart", is written over a faint, larger version of the same signature.

Leslie A. Gearhart  
Regulatory Compliance Manager

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DEC 2 2022  
WV Department of  
Environmental Protection

Pin Oak Energy Partners LLC  
388 S. Main Street, Suite 401  
Akron, Ohio 44311

Leslie A. Gearhart  
Regulatory Compliance Manager  
[leslie.gearhart@pinoakep.com](mailto:leslie.gearhart@pinoakep.com)  
740-516-5390

4707300467P 03/10/2023

**SURFACE OWNER WAIVER**

N/A

Operator's Well  
Number

494527626

**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

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Office of Oil and Gas  
DEC 3 2022

**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,

\_\_\_\_\_  
Signature

Date

Name  
By  
Its

Pin Oak Operating LLC

Mark H. Van Tyne,

Chief Business Development Officer Date

Signature

Date 11/3/22

PAGE 1

GPS YES  NO

DATE STARTED/LOCATION:  API #:  WELL NO.

DRILLING COMMENCED:  OPERATOR:

TD DATE:  DEPTH:  FARM:

WATER DEPTHS  COAL DEPTHS

QUESTIONS FOR THIS REPORT ARE IN ACCORDANCE OF WV CODE 22-6-30 AND REGULATIONS 35CSR 4-12.1 AND 35CSR 4-16 AND THE GENERAL WATER POLLUTION CONTROL PERMIT

**POINTS ARE TO BE GIVEN UP TO MAXIMUM AS SHOWN BASED ON PERFORMANCE.**

1. DID OPERATOR GIVE PROPER NOTICE TO INSPECTOR BEFORE THE FOLLOWING:

A. CONSTRUCTION YES  NO  (2\_PTS)      B. DRILLING YES  NO  (2\_PTS)      (4 PTS) \_\_\_\_\_

2. WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE DIRT WORK STARTED? YES  NO  (4\_PTS)      (4 PTS) \_\_\_\_\_

3. ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES  NO  (4\_PTS)      (4 PTS) \_\_\_\_\_

4. CONSTRUCTION:  
WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAINED?

A. ROAD DITCHES (1)\_ (2)\_ (3)\_ (4)\_ (PTS)      B. CROSS DRAINS (1)\_ (2)\_ (3)\_ (4)\_ (5)\_ (PTS)  
 C. CULVERTS (1)\_ (2)\_ (3)\_ (4)\_ (5)\_ (PTS).      D. CREEK CROSSINGS (1)\_ (2)\_ (3)\_ (PTS)  
 E. DIVERSION DITCHES (1)\_ (2)\_ (3)\_ (PTS)      F. BARRIERS (1)\_ (2)\_ (3)\_ (PTS)  
 G. TEMPORARY SEEDING YES  NO  (10\_PTS)      **POINTS AVAILABLE FOR QUESTION 4: (33 PTS) \_\_\_\_\_**

5. HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES  NO  (2\_PTS)      (2 PTS) \_\_\_\_\_

6. IS THE PIT PROPERLY INSTALLED AND MAINTAINED? YES  NO  (9\_PTS)      (9 PTS) \_\_\_\_\_

7. RECLAMATION:

A. ROADWAY (1)\_ (2)\_ (3)\_ (PTS)      B. LOCATION (1)\_ (2)\_ (3)\_ (PTS)  
 C. PITS (1)\_ (2)\_ (3)\_ (PTS)      D. PIPELINES (1)\_ (2)\_ (3)\_ (PTS)  
 E. TANK DIKES (1)\_ (2)\_ (3)\_ (PTS)      F. API INSTALLED YES OR NO 3\_(PTS)  
 G. ADEQUATE SEEDING MATERIALS (1)\_ (2)\_ (3)\_ (PTS)  
 H. WAS SEED BED ADEQUATE (1)\_ (2)\_ (3)\_ (PTS)      **POINTS AVAILABLE FOR QUESTION 7: (24 PTS) \_\_\_\_\_**

8. WAS RECLAMATION COMPLETED WITHIN:  
 MTHS OF TD 6\_PTS ONLY;  MTHS OF TD 12\_PTS ONLY;  MTHS OF TD 19\_PTS ONLY.  
**MAXIMUM POINTS AVAILABLE FOR QUESTION 8: (19 PTS) \_\_\_\_\_**

**TOTAL MAXIMUM POSSIBLE SCORE OF 99.**

**TOTAL RECLAMATION SCORE: \_\_\_\_\_**

**INSPECTIONS :**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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