

02/10/2023



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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, February 7, 2023  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

UNKNOWN - DEP PAID PLUGGING CONTRACT  
601 57TH STREET

CHARLESTON, WV 25304

Re: Permit approval for I-5  
47-043-01677-00-00

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: I-5  
Farm Name: MASON, GORDON  
U.S. WELL NUMBER: 47-043-01677-00-00  
Vertical Plugging  
Date Issued: 2/7/2023

Promoting a healthy environment.

02/10/2023

# PERMIT CONDITIONS 4704301677

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.

1) Date January 30, 20 23  
2) Operator's 02/10/2023  
Well No. EG-4 I-5  
3) API Well No. 47-043 -01677

**4704301677**

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation 825.3 Watershed Big Branch of Sugartree Fork  
District Duval County Lincoln Quadrangle Griffithsville WV

6) Well Operator Unknown DEP Paid Plugging 7) Designated Agent Jason Harmon  
Address 501 57th Street SE Address 601 57th Street SE  
Charleston, WV 25304 Charleston, WV 25304


8) Oil and Gas Inspector to be notified 9) **RECEIVED** Contractor  
Name Brian Warden Office Of Oil and Gas Name WPS Environmental LLC  
Address 49 Elk Creek Road Address 934 Little Coal River Road  
Debarton, WV 25670 Alum Creek, WV 25003  
WV Department of Environmental Protection

*All Plugs will use CLASS A cement.*

- 10) Work Order: The work order for the manner of plugging this well is as follows:
- a. Notify WVDEP Inspector within 24 hours of plugging operations commencement
  - b. Install 24 inch cellar pipe around existing well head
  - c. Move in equipment rig up over well. Check for pressure on any tubing, casing or backside, blowdown safely and unhook any lines and cap below ground
  - d. Check reported TD at approximately 2396 ft. If estimated depth can not be reached, contact WVDEP Inspector
  - e. RTIH to estimated TD or 2396 ft. (or new approved depth), spot 6% gel and pump cement plug from approximately 2396-2255 WOC pull tubing to safe elevation above cement plug
  - f. RTIH and tag plug, add cement as needed to plug top, PTOH to surface
  - g. RIH cutter and find free point of 5-1/2 casing, cut, rip and POC to 500 ft. Estimated TOC at 2000 ft.
  - h. RTIH tubing to 50 feet below cut, set 100 ft. cement plug across cut. WOC pull tubing to safe elevation above cement plug
  - i. RTIH and tag plug, add cement as needed to plug top, pull tubing to elevation plug set cement plug 875-775 WOC pull tubing to safe elevation above cement plug, RIH and tag plug, add cement as needed to plug top
  - j. PTOH to surface pull remaining 5-1/2 casing to surface
  - k. Rig up to pull on 8-5/8 inch casing, attempt to POC, Well Record indicates cemented to surface
  - l. RTIH 445 feet cement plug 445-345 tag plug, add cement as needed to plug top, pull tubing to 100 ft. set top hole plug from 100 ft to surface, top off as needed
  - m. Rig down, set monument with well tag showing API No. and Date, reclaim all disturbed areas.

RTIH = run tubing in hole PTOH = pull tubing out of hole WOC = wait on cement POC = pull out casing

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

Work order approved by inspector  Date 1/31/23



470-43010  
**RECEIVED**

DEC 21 1977

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

**Oil and Gas Division**  
**WELL RECORD**

02/10/2023

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood  Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

CO<sub>2</sub>

Quadrangle Griffithsville

Permit No. Lin-1677  
47-043

Company Guyan Oil Co., Inc.  
Address 222 Fifth Avenue, Htgn., W.Va.  
Farm Gordon Mason Acres 100  
Location (waters) Big Branch of Mud River  
Well No. EG-4 (I-5) Elev. 822.82  
District Duval County Lincoln

The surface of tract is owned in fee by Columbia Gas Transmission

Address P. O. Box 1273 Charleston, WV  
Mineral rights are owned by Same

Address \_\_\_\_\_

Drilling Commenced 6-16-76

Drilling Completed 6-21-76

Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.

Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.

Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Well treatment details:

Attach copy of cementing record.

6-29-76 McCullough perforated with 18 Omega jets or 1 shot per foot 2312 to 2330 feet.

7-13-76 Halliburton fractured the Berea. The formation broke down at 1600#. Treating pressure was 1816# at 23.0 bbls. per minute. Total bbls. of salt water used was 293 and 6000# of 20/40 sand plus additives.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet  
Producing Sand Berea Sand Depth 2308' to 2334'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	5		
Sand and Rock			5	69		
Sand and Shale			69	245		
Shale			245	360		
Sand and Shale			360	855		
Shale			855	1091		
Sand and Shale			1091	1251		
Salt Sand			1251	1601		
Lime			1601	1855		
Shale			1855	2308		
Berea Sand			2308	2334		
Shale			2334	2382		

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Oil  
Total Depth  
6-22-76  
Electric logs ran by  
Schlumberger:  
Formation Density  
Neutron Porosity  
Dual induction-Later log  
McCullough ran on 7-13-76:  
Gamma Ray Log

(ovc.)

\* Indicates Electric Log tops in the remarks section.

4704301677 02/10/2023

Proposed Work Plan

047-043-1677

1. Notify State Inspector within 24 Hours of plugging commencement.
2. Set well control.
3. Check TD at approximately 2396'.
4. Set 6% Gel between all plugs.
5. TIH to 2380' and spot cement plug from 2380' to 2250' then tag plug.
6. Free point 5 ½ casing and spot 100' plug. 50' above and 50' below cut.
7. Set cement plug from 872' to 772' then tag plug.
8. Set cement plug from 446' to 346' then tag plug.
9. Set cement plug from 100' to surface then tag plug.
10. Rig down, set monument, and move to next well site to commence plugging.

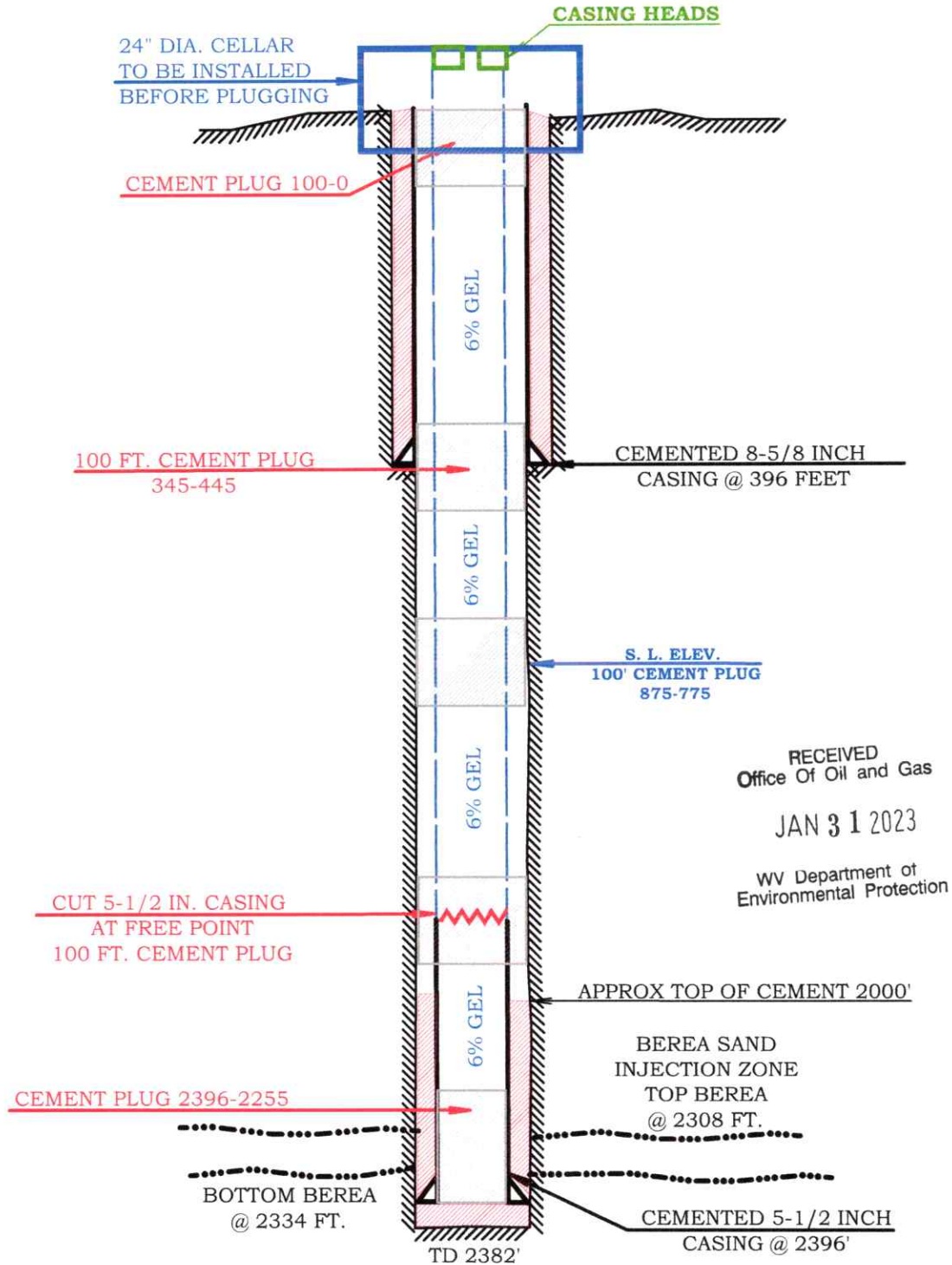
*Ben* 1/31/23

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# WELL SCHEMATIC

47-043-01677 OP # EG-4 I-5  
DUVAL DISRTICT  
LINCOLN COUNTY WV  
SURFACE ELEVATION: 825 FT.



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NO FRESH WATER, SALT WATER AND OR COAL INDICATED ON WELL RECORD.

NOTE: TOTAL DEPTH ON FORMATION 2382, PIPE SCHEDULE INDICATES 2396 CASING

WW-4A  
Revised 6-07

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JAN 31 2023

WV Department of  
Environmental Protection

4704301677  
1) Date: January 30, 2023  
2) Operator's Well Number EG-4 I-5  
3) API Well No.: 47 - 043 - 01677

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 Lyme Mountaineer Timberlands II, LP Address 23 South Main Street Hanover, NH 03755 (b) Name Address (c) Name Address  
5) (a) Coal Operator Name N/A Address (b) Coal Owner(s) with Declaration Name N/A Address (c) Coal Lessee with Declaration Name N/A Address  
6) Inspector Brian Warden Address 49 Elk Creek Road Delbarton, WV 25670 Telephone 304-205-3229

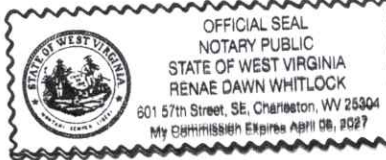
TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (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 Unknown DEP Plugging Contract



By: [Signature] Its: Address 801 57th Street SE Charleston, WV 25304 Telephone

Subscribed and sworn before me this 2nd day of February 2023 [Signature] Notary Public My Commission Expires April 6, 2027

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).

Please contact the OOO at 304-926-0450 if you have any questions regarding this notice

Date Issued: 1/30/23 Date Served: 1/30/23

Name of person served: Lyme Mountaineer Timberlands III LP

Service Address: 23 South Main Street, Hanover NH 03755

Certified Mail Receipt No. (if applicable) 7020 1810 0000 9055 9241 9500 9402 7673 2122 9993 75

Name of Person Making Personal Service (if applicable) \_\_\_\_\_

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JAN 31 2023

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Environmental Protection

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CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

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

7020 1810 0000 9055 9241

Certified Mail Fee	\$	
Postage	\$	
<b>Total Postage and Fees</b>	\$	

Postmark  
None

Lyme Mountaineer Timberlands  
23 South Main St.  
Hanover NH 03755

PS Form 3800, April 2015 (with 7500-020-900) See Reverse for Instructions

Handwritten notes and stamps on the right side of the receipt, including a date stamp 'JAN 31 2023' and a 'RECEIVED' stamp from the 'Office Of Oil and Gas' and 'WV Department of Environmental Protection'.



API No. 47-04301677 ~~42-01677~~ 2023

Farm Name Guyan Oil Co. Gordan Mason

Well No. EG-4 I-5

**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: January 30, 2023

No coal owner, operator and or lease

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

Its \_\_\_\_\_

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JAN 31 2023  
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STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Unknown DEP Paid Plugging OP Code \_\_\_\_\_

Watershed (HUC 10) Big Branch of Sugartree Fork Quadrangle Griffithsville

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: Plugging fluids, potentially oil, salt water, gel and cement, will be flowed back to tanks

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

Proposed Disposal Method For Treated Pit Wastes:

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

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

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

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

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

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

JUN 31 2023

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

-Landfill or offsite name/permit number? \_\_\_\_\_

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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.

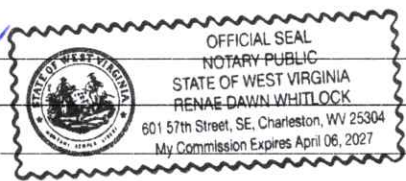
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 Jason Harmon

Company Official (Typed Name) Jason Harmon

Company Official Title Agent



Subscribed and sworn before me this 2nd day of February, 2023

Renae Dawn Whitlock Notary Public

My commission expires April 6, 2027

Proposed Revegetation Treatment: Acres Disturbed 0.5 acres Prevegetation pH unknown

Lime 2 Tons/acre or to correct to pH +6.0

Fertilizer type 10-10-10

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

**Seed Mixtures**

**Temporary**

**Permanent**

Seed Type lbs/acre

Seed Type lbs/acre

N/A

Contractors Mix 25

Ky. 31 Tall Fescue 25

Ladino Clover 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: To DEP Studies

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Title: [Signature]

Date: 1/31/23

Field Reviewed?  Yes

No

02/10/2023

**SURVEY NOTES**

TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '83.

SURFACE OWNER AND ADJOINER INFO OBTAINED FROM THE LINCOLN CO. ASSESSORS AND COUNTY CLERK'S OFFICES JANUARY 2023.

WELL LAT./LONG. ESTABLISHED BY DGPS (SURVEY GRADE).

9600 FEET

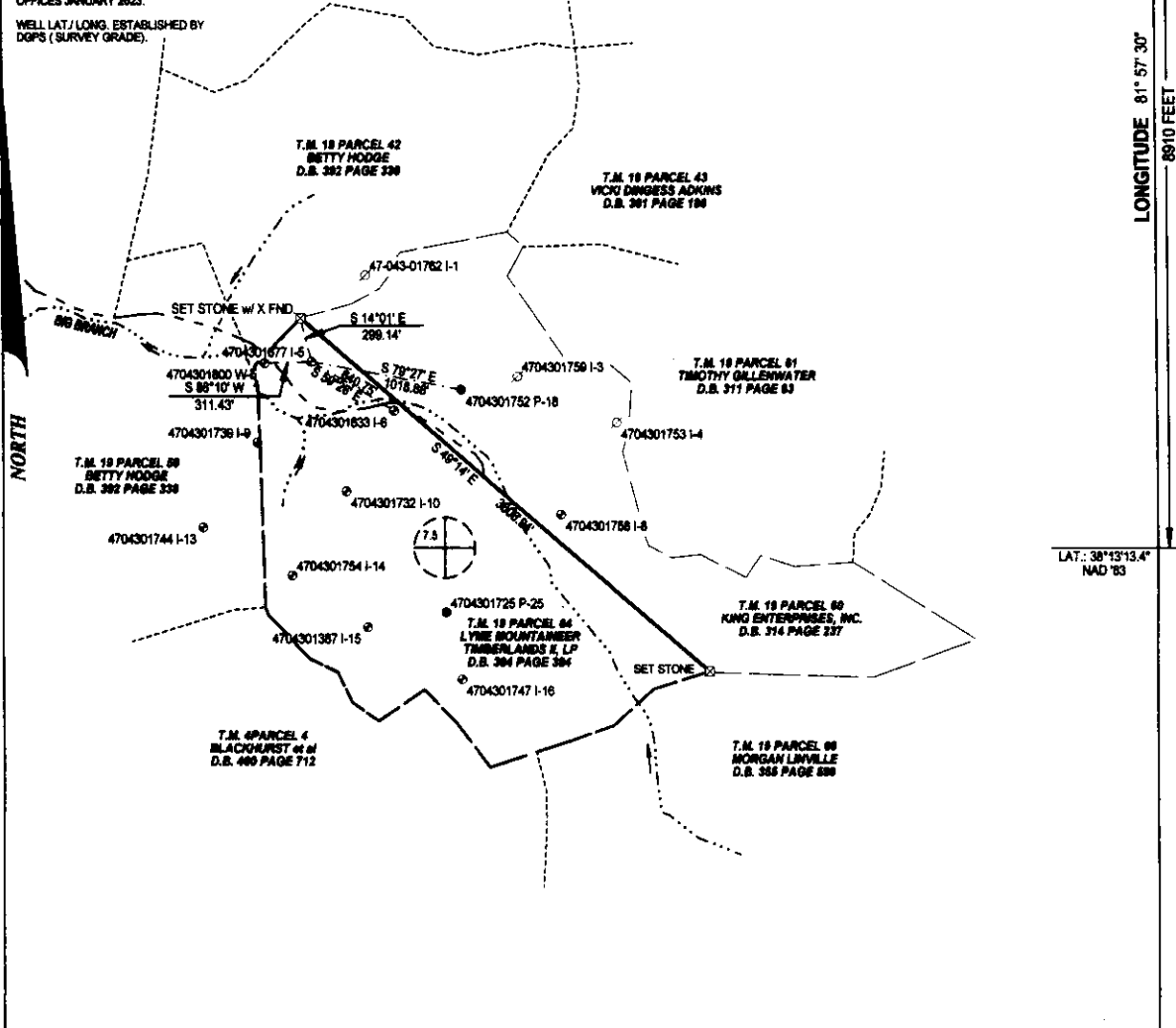
LATITUDE 38° 15' 00"

LONG: 81° 52' 24.3" NAD '83

OPERATOR WELL EG-4 I-5  
STATE PLANE COORDINATES  
NAD '83  
447,678.7 N 1,883,707.6 E  
UTM '83 ZONE 17  
413220.72 E 4231271.84 N

LONGITUDE 81° 57' 30"  
8910 FEET

NORTH



LAT.: 38°13'13.4" NAD '83

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

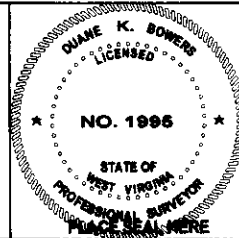
FILE NO. 4704301677 EG-4 I-5  
DRAWING NO. 2

SCALE 1"=1000'  
MINIMUM DEGREE OF ACCURACY 1:200

PROVEN SOURCE OF ELEVATION  
TRIMBLE GPS

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 OFFICE OF OIL AND GAS, DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) Diane K. Bowers  
R.P.E. P.S. 1995



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



DATE JANUARY 30, 2023

OPERATOR'S WELL NO. EG-4 I-5

API WELL NO.

47 - 043 - 01677  
STATE COUNTY PERMIT NO.

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

LOCATION: ELEVATION 825.3' WATER SHED BIG BRANCH OF SUGARTREE FORK  
DISTRICT DUVAL DISTRICT COUNTY LINCOLN COUNTY  
QUADRANGLE GRIFFITHSVILLE WV 7.5

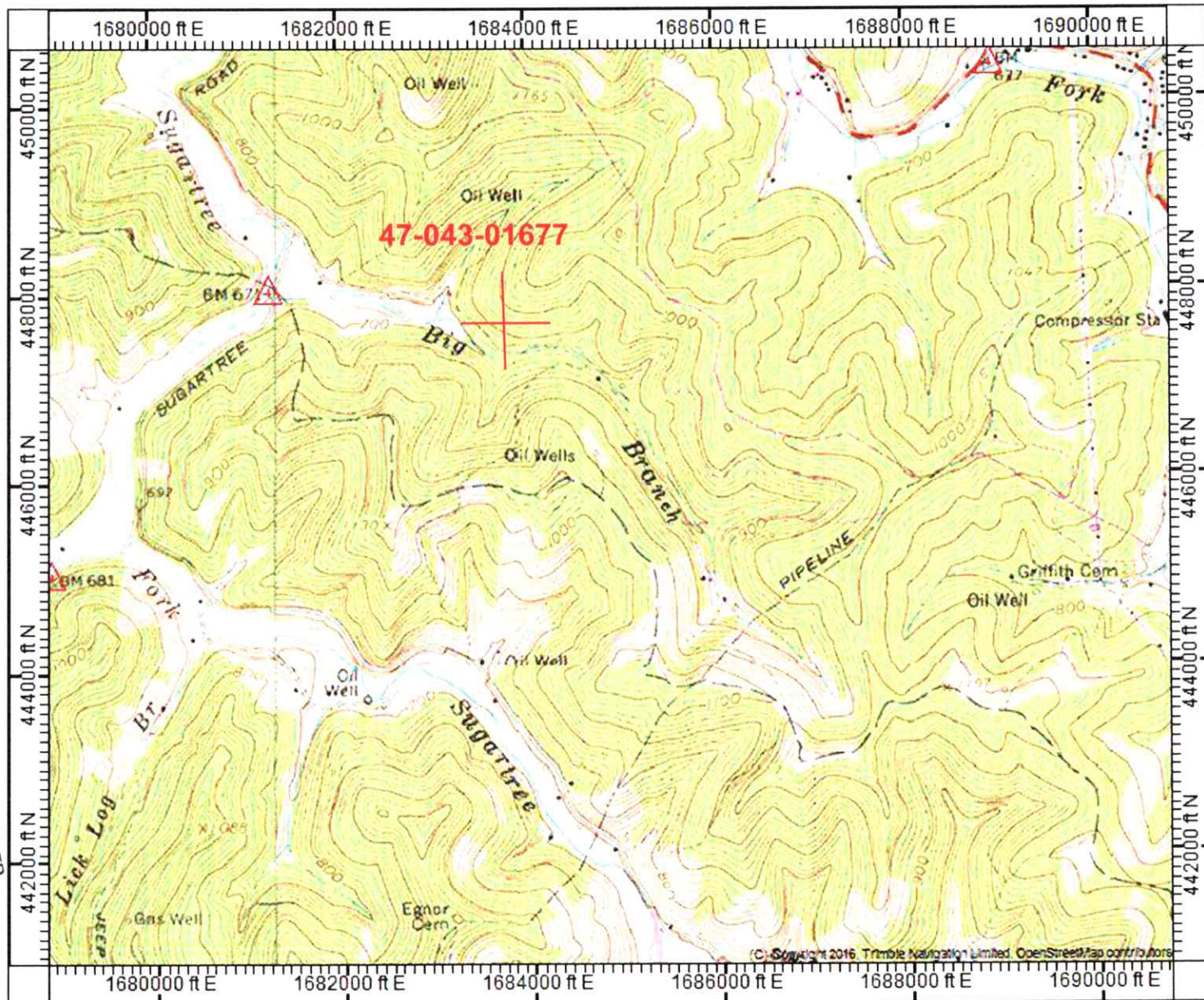
SURFACE OWNER LYME MOUNTAINEER TIMBERLANDS II LP ACREAGE 100 ACRES  
OIL & GAS ROYALTY OWNER SAME ACREAGE 100 ACRES

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

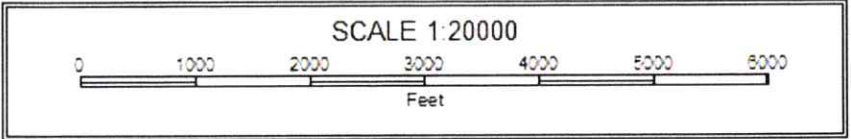
TARGET FORMATION BEREA SAND ESTIMATED DEPTH 2396'  
WELL OPERATOR UNKNOWN DEP PAID PLUGGING DESIGNATED AGENT JASON HARMON  
ADDRESS 601 57th STREET SE ADDRESS 601 57th STREET SE  
CHARLESTON WV 26304 CHARLESTON WV 26304

COUNTY NAME PERMIT





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4704301677



02/10/2023



Kennedy, James P <james.p.kennedy@wv.gov>

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## Plugging permit issued 4704301677

1 message

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**Kennedy, James P** <james.p.kennedy@wv.gov>

Tue, Feb 7, 2023 at 12:54 PM

To: Henry J Harmon <henry.j.harmon@wv.gov>, Brian Warden <brian.warden@wv.gov>, gymbrowning@lincolncountywv.org, operations.wpsenvr@outlook.com

To whom it may concern a plugging permit has been issued for 4704301677.


James Kennedy

WVDEP OOG

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### 2 attachments

 **4704301677.pdf**  
1505K

 **IR-8 4704301677.pdf**  
120K