



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Friday, March 10, 2023
WELL WORK PLUGGING PERMIT
Vertical Plugging

UNKNOWN - DEP PAID PLUGGING CONTRACT
601 57TH STREET

CHARLESTON, WV 25304

Re: Permit approval for 1
47-043-03623-00-00

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:
Farm Name: KING ENTERPRISES, INC.
U.S. WELL NUMBER: 47-043-03623-00-00
Vertical Plugging
Date Issued: 3/10/2023

03/10/2023

47 0 4 3 0 3 6 2 3

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. 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.
2. Well work activities shall not constitute a hazard to the safety of persons.

47 0 4 3 0 3 6 2 3

29505707
February 20 03/10/2023

- 1) Date _____
- 2) Operator's Well No. UNKNOWN
- 3) API Well No. 47-043 - _____

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 XX / Gas _____ / Liquid injection _____ / Waste disposal _____ /
(If "Gas, Production _____ or Underground storage _____) Deep _____ / Shallow XX

5) Location: Elevation 749.3 ft. 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) Plugging Contractor
Name Brian Warden Name WPS Environmental LLC
Address 49 Elk Creek Road Address 934 Little Coal River Road
Debarton, WV 25670 Alum Creek, WV 25003

NO WELL RECORD FOUND USED 47-043-01731 I-7 FOR PROGRAM

- 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 2287 ft. If estimated depth can not be reached, contact WVDEP Inspector
 - e. RTIH to estimated TD or 2287 ft. (or new approved depth), spot 6% gel and pump cement plug from approximately 2287-2180 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 4-1/2 casing, cut, rip and POC to 500 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 800-700 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 4-1/2 casing to surface
 - k. Rig up to pull on 8-5/8 inch casing, attempt to POC, unknown depth on 8-5/8 inch casing
 - l. RTIH 300 feet cement plug 300-200 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.

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

MAR 03 2023

All cement plugs must be CLASS "A" PORTLAND CEMENT and or CLASS "L" CEMENT

WV Department of
Environmental Protection

NO WELL RECORD FOUND USED 47-043-01731 I-7 FOR PROGRAM

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

Work order approved by inspector Brian Warden Date 3/2/23

Proposed Work Plan

API # N/A

1. Notify the state Inspector within 24 hours of plugging commencement.
2. Run down and check TD at approximately 2289'.
3. Free point and recover all free casing and tubing in well.
4. Set 6% gel between all plugs.
5. Set plugs with class A or class L cement.
6. Set cement plug from 2287' to 2180' then tag plug.
7. Set 100' cement plug at free point cut then tag plug.
8. Set cement plug at elevation from 800' to 700' then tag plug.
9. Set cement plug from 300' to 200' then tag plug.
10. Set cement plug from 100' to surface.
11. Rig down, set monument, then move to the next well location.

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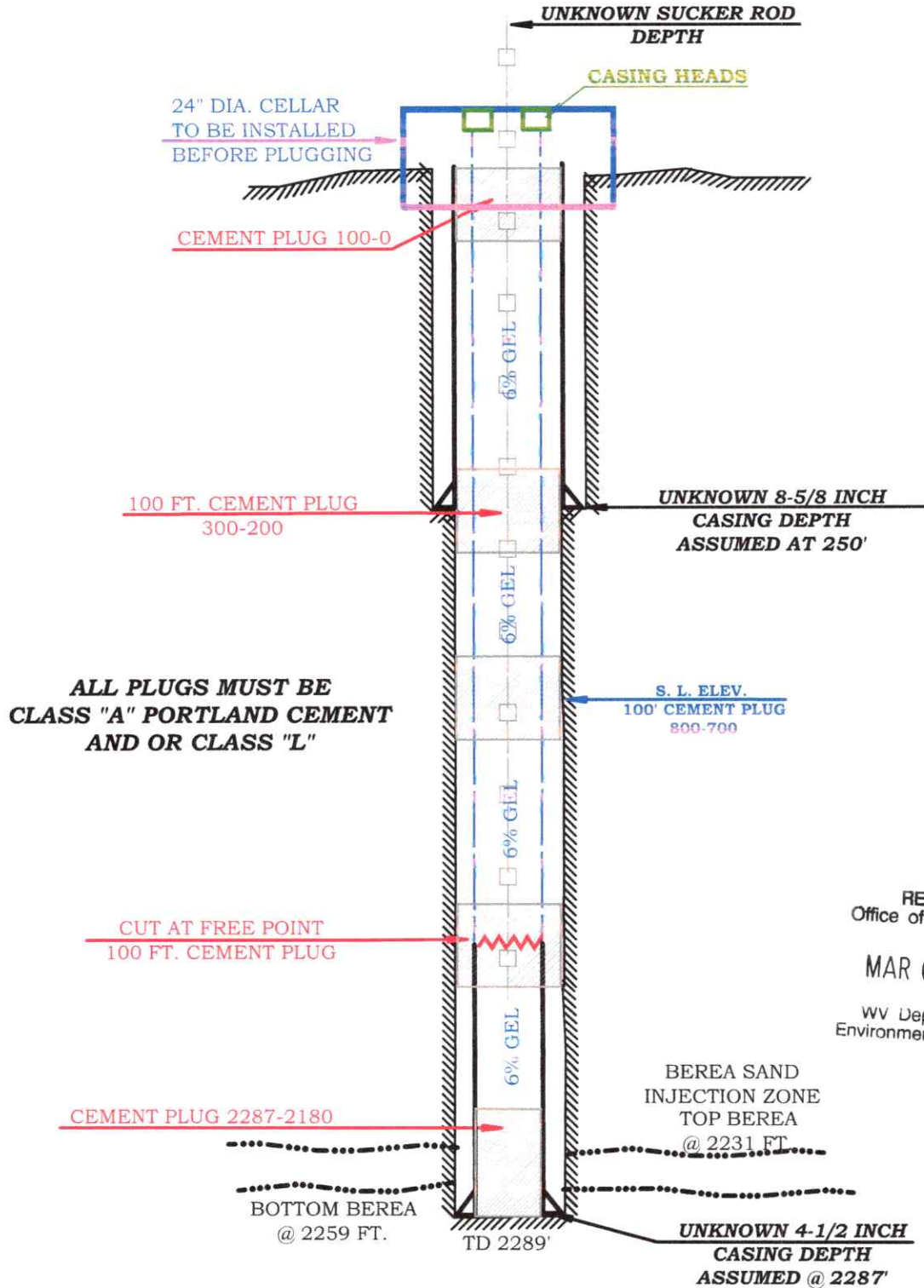
MAR 03 2023

WV Department of
Environmental Protection

NO WELL RECORD FOUND USED 47-043-01731 I-7

WELL SCHEMATIC

47-043-NO API FOUND
DUVAL DISRTICT
LINCOLN COUNTY WV
ELEVATION 749.3 Ft.



ALL PLUGS MUST BE CLASS "A" PORTLAND CEMENT AND OR CLASS "L"

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WV Department of
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NO FRESH WATER, SALT WATER AND OR COAL DENOTED ON WELL RECORD

47 0 4 3 0 3 6 2 3

03/10/2023



☉ 86°E (T) ● 38°13'24"N, 81°59'13"W ±13ft ▲ 752ft



4704303623

03/10/2023

WW-4A
Revised 6-07

1) Date: February 20, 2023

2) Operator's Well Number
UNKNOWN

3) API Well No.: 47 - 043 - 03623

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>King Enterprises, Inc.</u>	Name <u>N/A</u>
Address <u>P. O. Box 555</u>	Address _____
<u>Hamlin, WV 25523</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
_____	_____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Brian Warden</u>	(c) Coal Lessee with Declaration
Address <u>49 Elk Creek Road</u>	Name <u>N/A</u>
<u>Delbarton, WV 25670</u>	Address _____
Telephone <u>304-205-3229</u>	_____

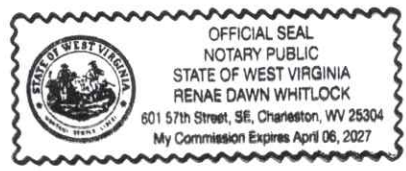
TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

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

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the 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: Jason Harmon
 Its: _____
 Address 601 57th Street SE
Charleston, WV 25304
 Telephone _____



Subscribed and sworn before me this 3rd day of March 2023
Renae Dawn Whitlock Notary Public
 My Commission Expires April 06, 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.

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 as a part of our
 normal course of
 business
 MAR 03 2023
 WV Department of
 Environmental Protection

47 0 43 03623
03/10/2023

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

Date Issued: 2/6/23 Date Served: 2/6/23

Name of person served: King Enterprises Inc.

Service Address: P.O. Box 555 Hamlin, WV 25523

Certified Mail Receipt No. (if applicable) 7020 1810 0000 9055 9258 / 9590 9402 7673 2122 9993 68

Name of Person Making Personal Service (if applicable): _____

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MAR 03 2023

WV Department of
Environmental Protection

4704303623
03/10/2023

7020 1810 0000 9055 9258

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
Hamlin, WV 25523	
OFFICIAL USE	
Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$7.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$3.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.26
Total Postage and Fees	\$8.76
0437 02	
Postmark Here	
02/06/2023	
Sent To <u>King Enterprises, Inc</u>	
Street and Apt. No., or PO Box No. <u>PO Box 555</u>	
City, State, ZIP+4® <u>Hamlin, WV 25523</u>	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

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WV Department of
Environmental Protection

WW-4B

API No. **47 043 03623**
47-043-0310/2023

Farm Name KING ENTERPRISE INC.

Well No. UNKNOWN

**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: February 20, 2023

No coal owner, operator and or lease

By: _____

Its _____

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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 Griffithville

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 salt water, oil, gel, and cement all 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)
- XX 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? _____

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

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

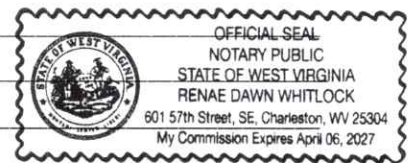
-Landfill or offsite name/permit number? _____

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) _____
Company Official Title _____



Subscribed and sworn before me this 3rd day of March, 20 23
Renae Dawn Whitlock Notary Public

My commission expires April 6, 2027

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WV Department of
Environmental Protection

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.

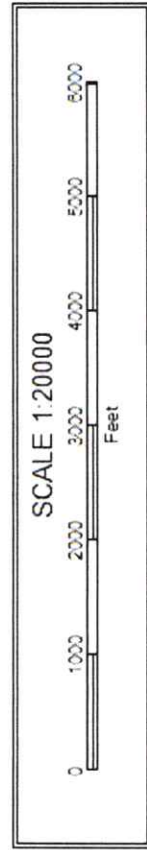
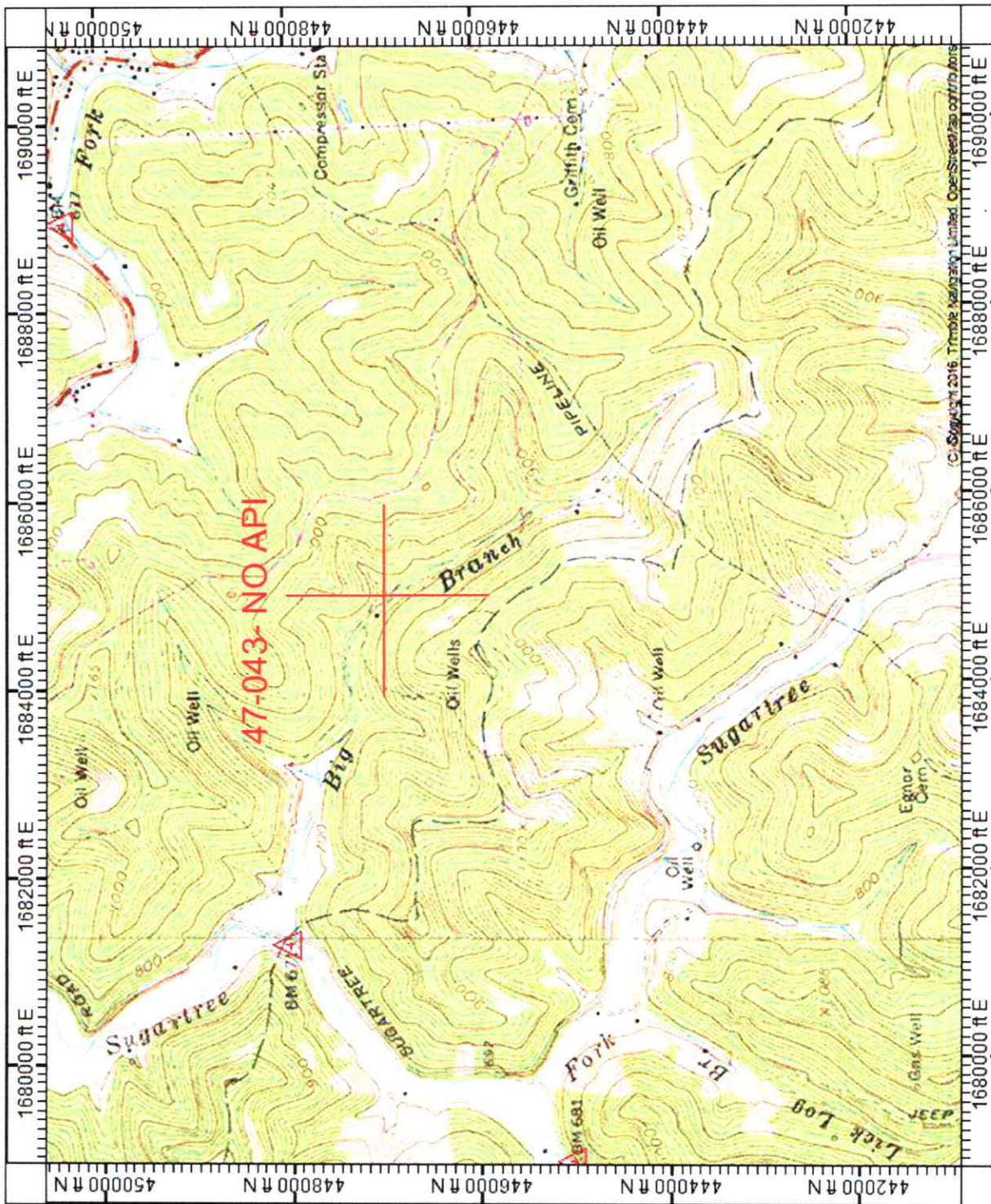
Plan Approved by: [Signature]

Comments: Reclaim to DEP standards

Title: [Signature] Date: 3/2/23

Field Reviewed? Yes No

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MAR 03 2023

WV Department of
Environmental Protection

4704303623

8300 FEET

LATITUDE 38° 15' 00"

LONG: 81° 59' 13.37" NAD '83

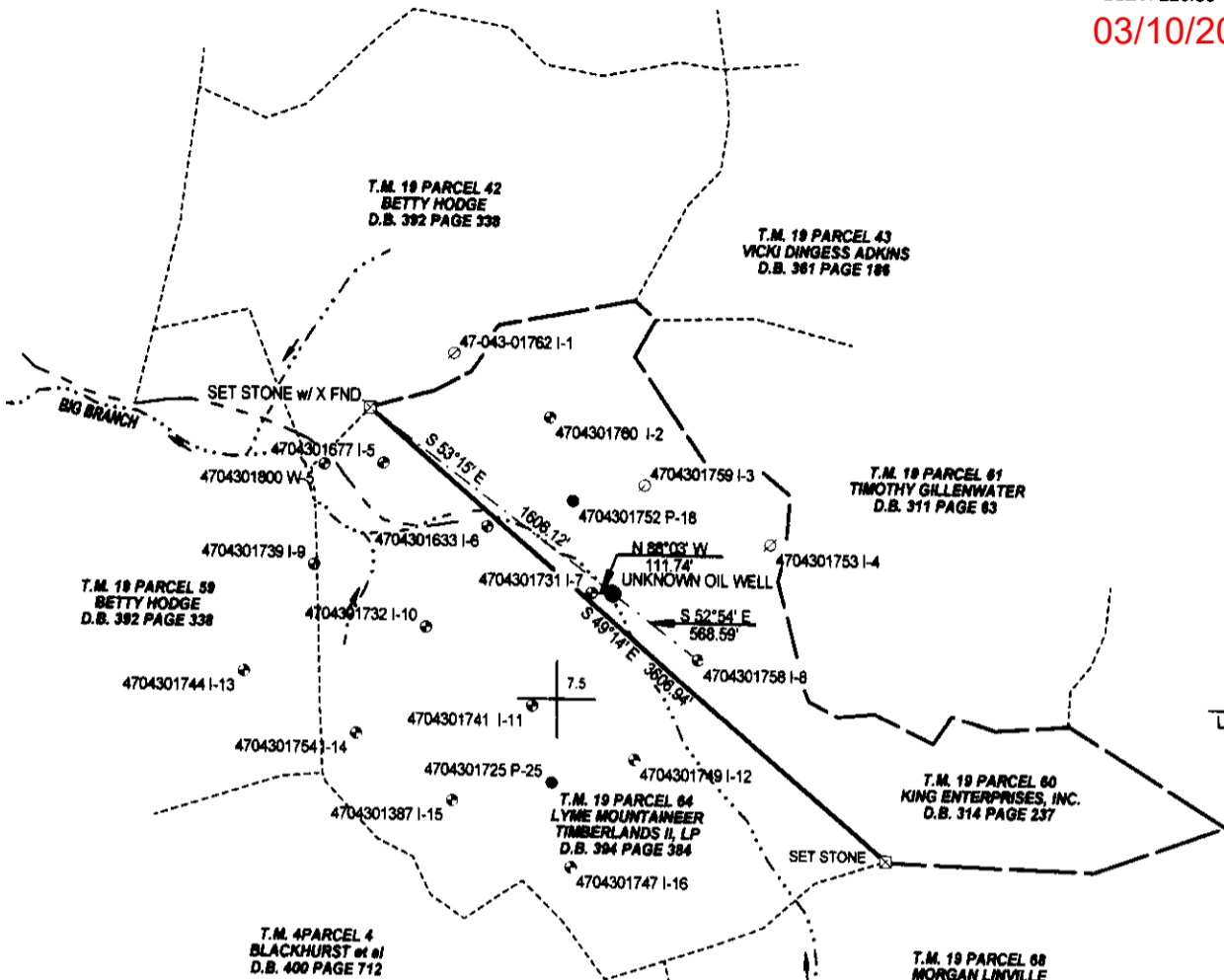
OPERATOR WELL NO. UNKNOWN
STATE PLANE COORDINATES NAD '83
447,007.8 N 1,684,921.9 E
UTM '83 ZONE 17 METERS
413590.749 E 4231067.407 N
ELEV. 228.39

03/10/2023

LONGITUDE 81° 57' 30"

9700 FEET

NORTH



LAT.: 38°13'24.4" NAD '83

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 CLERKS OFFICES JANUARY 2023.

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

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

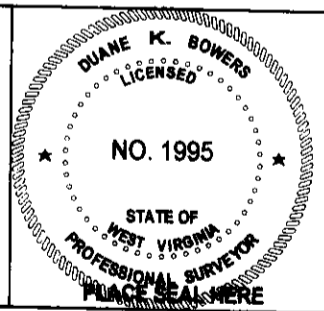
FILE NO. 470430 NO API
DRAWING NO. 1
SCALE 1"=1000'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION TRIMBLE GPS

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) Duane K. Bowers

R.P.E.

P.S. 1995



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

DATE FEBRUARY 7, 2023

OPERATOR'S WELL NO. UNKNOWN
API WELL NO. 47-043-03623

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

LOCATION: ELEVATION 749.3' WATER SHED BIG BRANCH OF SUGARTREE FORK STATE WEST VIRGINIA COUNTY LINCOLN PERMIT NO. 47-043-03623

DISTRICT DUVAL COUNTY LINCOLN

QUADRANGLE GRIFFITHSVILLE WV 7.5

SURFACE OWNER KING ENTERPRISES, INC. ACREAGE 108 ACRES

OIL & GAS ROYALTY OWNER SAME ACREAGE 108 ACRES

LEASE NUMBER _____

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 2287'

WELL OPERATOR UNKNOWN DEP PAID PLUGGING CONTRACT DESIGNATED AGENT JASON HARMON

ADDRESS 601 57th STREET SE ADDRESS 601 57th STREET SE
CHARLESTON WV 25304 CHARLESTON WV 25304

COUNTY NAME PERMIT

SURFACE OWNER WAIVER

4704303623 ^{03/10/2023}

Operator's Well
Number

UNKNOWN

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 57th St. SE
Charleston, WV 25304
(304) 926-0450

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.

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MAR 03 2023
West Virginia Department of
Environmental Protection

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 _____



4704303623

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DEC 2 1 1977

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

03/10/2023

NO WELL RECORD FOUND USED 47-043-01731 1-7 FOR PROGRAM

WELL RECORD

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb. _____
CO₂ Water Flood Storage _____
Disposal _____ (Kind)

Quadrangle Griffithsville

Permit No. Lin-1731
47-043

Company Guyan Oil Co., Inc.
Address 222 5th Ave., Huntington, WV.
Farm Gordon Mason Acres 100
Location (waters) Big Branch of Mud River
Well No. T-7 Elev. 768.23
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 12-16-76
Drilling completed 3-21-77
Initial flow --- cu. ft. --- bbls.
Final production --- cu. ft. per day --- bbls.
Well open --- hrs. before test --- RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	247'	247'	Cemented to Surface
7			
5 1/2			
4 1/2	2287'	2287'	Cemented with 60 Sacks
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.
3-30-77 Perforated from 2234'-2252' with 18 holes or 1 shot per foot. Halliburton fractured the Berea. Breakdown pressure was 2500#. Treating pressure was 2154# at 20 bbls. per minute. 250 bbls. of salt water was used 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 2231'-2254'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Clay			0	5		
Sand and Rock			5	251		
Shale and Sand			251	880		
Salt Sand			880	930		
Sand			930	1280		
Shale			1280	1570		
Big Lime			1570	1745		
Injun			1745	1785		
Shale			1785	2231		
Berea Sand			2231	2259		
Shale			2254	2289		

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Office of Oil and Gas
MAR 03 2023
WV Department of Environmental Protection

Oil
Total Depth
3-21-77
Electric Logs ran by
Schlumberger:
Compensated Density
Gamma Ray
Caliper
Dual Induction-later log

* Indicates Electric Log tops in the remarks section. (over)

03/10/2023



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

Plugging permits issued 4704301831 04303622 04303623

1 message

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

Fri, Mar 10, 2023 at 11:08 AM


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


To whom it may concern, plugging permits have been issued for 4704301831 04303622 04303623.


James Kennedy


WVDEP OOG


6 attachments


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