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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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, December 14, 2020  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

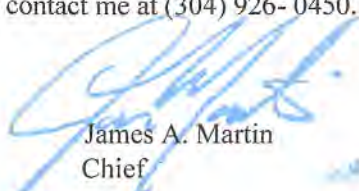
VIKING INTERNATIONAL RESOURCES CO., INC.  
125 PUTNAM STREET  
MARIETTA, OH 45750

Re: Permit approval for 3  
47-085-00546-00-00

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: 3  
Farm Name: NUTTER, M. B.  
U.S. WELL NUMBER: 47-085-00546-00-00  
Vertical Plugging  
Date Issued: 12/14/2020

Promoting a healthy environment.

H

47-085-00546P

## 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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

47-085-00576 P

WW-4B  
Rev. 2/01

1) Date September 22, 2020  
2) Operator's  
Well No. Nutter, M.B. #3  
3) API Well No. 47-085 - 00546

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

5) Location: Elevation 826' GL Watershed \_\_\_\_\_  
District Clay County Ritchie Quadrangle Pullman

6) Well Operator VIRCO 7) Designated Agent Will Harless  
Address 125 Putnam Street Address 184 Links Way  
MARIETTA, OHIO 45750 Ripley, WV 25271

8) Oil and Gas Inspector to be notified Name Michael Goff  
Address 1723 Auburn Road  
Pullman, WV 26421  
9) Plugging Contractor Name Unknown  
Address \_\_\_\_\_

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

RECEIVED  
Office of Oil and Gas  
OCT 02 2020  
WV 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 Michael Goff Date 9-29-20

## Plug to Abandon Procedure

Well Name: M.B. Nutter #3  
API : 47-085-00546

### Well Casing Record:

10"- 240 ft. Pulled

8 ¼"- 459 ft. Pulled

6 5/8"- 967 ft. Left in well

2"- 1617 ft.

TD: 1618 ft.

- 1) MIRU plugging rig and support equipment.
- 2) Pull sucker rods and tubing if present in well. Check TD with cable tools.  
**Note: If TD is significantly shallower or deeper than reported depth notify WVDEP inspector.**
- 3) TIH with tubing and set bottom cement plug from TD – 1500 ft. *PUMP GEL TO FILL SHOT HOLE* ← MINIMUM OF 100' CLASS A CEMENT
- 4) TOO H with tubing and pump cement plug from 1050 ft – 900 ft. TOO H with tubing above cement top and WOC. Tag cement top at 900 ft. Reset plug if needed. **NOTE: 6% gel will be placed in wellbore between all cement plugs**
- 5) TOO H with tubing. Find free point of intermediate casing and rip/cut casing (estimate free point at 450 ft.- 500 ft.) and pull a few joints of casing.
- 6) TIH with tubing and set cement plug from 550 ft. – 450 ft. across the casing cut. TOO H with tubing. Pull remaining 6 5/8" casing.
- 7) TIH with tubing to 250 ft. Set cement plug from 250 ft. – 150 ft. TOO H with tubing to 100 ft. Set cement plug from 100 ft-surface. TOO H with tubing.
- 8) Top off cement if needed and erect monument with ID #
- 9) RDMO plugging equipment and reclaim to WVDEP requirements.

WEST VIRGINIA DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
WELL RECORD

Permit No. 546-Rit

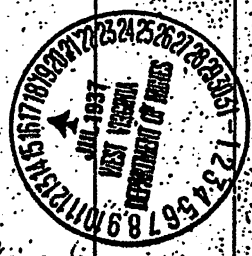
Oil or Gas Well oil  
(Kind)

Company Wm. F. M. P. Nutter  
 Address 1201 Parkside Ave. Parkersburg, W. Va.  
 Farm Dr. P. Nutter Acres 11.00  
 Location (waters) Chalons Run  
 Well No. 3 Elevation 2826  
 District Chase County Putnam  
 The surface of tract is owned in fee by Wm. F. M. Nutter  
 Address 1201 Parkside Ave. Parkersburg, W. Va.  
 Mineral rights are owned by same  
 Address \_\_\_\_\_  
 Drilling commenced March 19 1937  
 Drilling completed April 10 1937  
 Date shot \_\_\_\_\_ Depth of shot 1618  
 Open Flow /10ths Water in \_\_\_\_\_ Inch  
 /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock Pressure \_\_\_\_\_ lbs.  
 Oil 20 bbls., 1st 24 hrs.  
 Fresh water 12 to 230 feet  
 Salt water No feet

| Casing and Tubing | Used in Drilling | Left in Well  | Packers        |
|-------------------|------------------|---------------|----------------|
| Size              |                  |               |                |
| 10                |                  |               | Kind of Packer |
| 10                |                  |               | Size of        |
| 8 1/4             | <u>280 ft</u>    |               | Depth set      |
| 6 5/8             | <u>157 ft</u>    | <u>967 ft</u> |                |
| 5 3/16            | <u>1617 ft</u>   |               | Perf. top      |
| 5                 |                  |               | Perf. bottom   |
| 2                 |                  |               | 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                          |
|------------|-------|--------------|-------------|--------|-------------------|-----------------|----------------------------------|
| Dunkard    | gray  | soft         | 890ft       | 920ft  | no                | no              | no                               |
| Clear Sand | gray  | soft         | 960ft       | 985ft  | no                | no              | no                               |
| Soft "     | gray  | soft         | 1003ft      | 1025ft | no                | no              | no                               |
| "          | gray  | st           | 105ft       | 1564   | no                | no              | no                               |
| Waynes     | gray  | soft         | 1596ft      | 1618   | no<br>1612<br>oil | 1604 to<br>1612 | did not<br>drill through<br>sand |
|            |       |              | Total depth |        | 1618              |                 |                                  |



47-085-00546P

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL  
(REQUIRED BY SECTION 3, CHAPTER 58A ACTS 1929)  
WEST VIRGINIA DEPARTMENT OF MINES  
OIL AND GAS SECTION

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

M. B. Nutter

COAL OPERATOR OR COAL OWNER

101 Gate, W. Va.

ADDRESS

COAL OPERATOR OR COAL OWNER

ADDRESS

OWNER OF MINERAL RIGHTS

ADDRESS

Glen F. McBurney

NAME OF WELL OPERATOR

1201 Birkshire Ave,  
Pittsburgh, Pa.

COMPLETE ADDRESS

Mar, II 1937

PROPOSED LOCATION

Clay District

Ritchie County

Well No. 3 340 S. 50° S. 200 W.

M. B. Nutter Farm

GENERIC

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated Nov, 28

1936 made by M. B. Nutter to

Glen F. McBurney and recorded on the 2nd day

of Dec, 1936 in the office of the County Clerk for said County in

Lease Book 65 page 594

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Act, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above

named coal operators or coal owners at their above shown respective addresses day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

Glen F. McBurney  
WELL OPERATOR

1201 Birkshire Ave  
STREET

Pittsburgh  
CITY OR TOWN

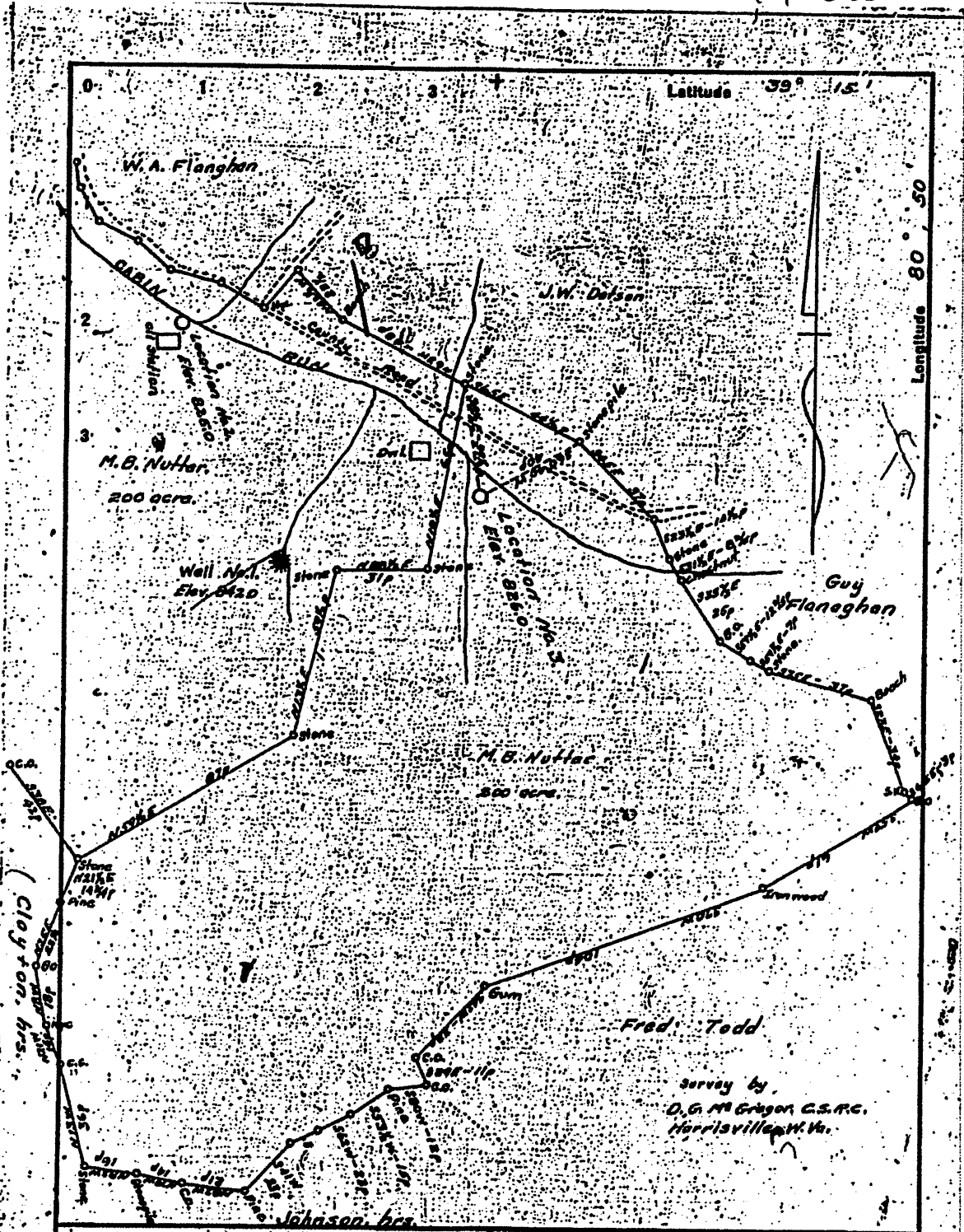
Pa  
STATE

Address of Well Operator



Section 3 of said Act, such objections be filed, or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

546



Company Glad F. McBurney  
 Address 96 W.H. Stevens Evansboro W. Va.  
 Farm M. B. Nutter  
 Tract A. P. Acres 200 Lease No. ONE  
 Well (Farm) No. Three Serial No. —  
 Elevation (Spirit Level) 542.0  
 Quadrangle Halbrook  
 County Fitchie District Clay  
 Engineer O.W. Bauhart  
 Engineer's Registration No. Surveyor  
 File No. — Drawing No. —  
 Date Aug. 11, 1937 Scale 1" = 400'

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

**WELL LOCATION MAP**  
 FILE NO. RIT-546

\* Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 — Denotes one inch spaces on border line of original tracing.



Select County: (085) Ritchie Select datatypes:  (Check All)

Enter Permit #: 00546

Get Data Reset

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

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

WW Geological & Economic Survey;

Well: County = 85 Permit = 00546

Report Time: Thursday, October 22, 2020 11:45:45 AM

Location Information: [View Map](#)

| API        | COUNTY  | PERMIT | TAX_DISTRICT | QUAD_75 | QUAD_15  | LAT_DD    | Lon_DD     | UTME     | UTMN      |
|------------|---------|--------|--------------|---------|----------|-----------|------------|----------|-----------|
| 4708500546 | Ritchie | 546    | Clay         | Pullman | Holbrook | 39.248641 | -80.903257 | 508347.8 | 4344373.6 |

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_FM | TFM_EST_PR |
|------------|----------|--------------|-----------|---------------|----------|--------|-------|-----------|-------------|-------------------|---------------|---------|--------------|------------|
| 4708500546 | 4/1/1937 | Original Loc | Completed | M B Nutter 3  |          |        |       |           |             | McBurney, Glen F. |               |         |              |            |

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 | TL_BEF | P_AFT | TL_AFT | BH_P_BEF |
|------------|----------|---------|------|--------------|-----------|------------|-------------|------------------|------------------|------|---------|----------|------|-----|---------|-----|-------|-------|-------|-------|---------|---------|-------|--------|-------|--------|----------|
| 4708500546 | 4/1/1937 | -/-     | 826  | Ground Level | Greenwood | Maxton     | Maxton      | Development Well | Development Well | Oil  | unknown | Shot     | 1618 |     | 1618    |     | 0     | 0     | 0     | 20    |         | 0       | 0     | 0      | 0     |        |          |

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 |
|------------|----------|----------|---------------|----------|-----------|--------|-----------|--------|-------|-------|-------|-------|------------|
| 4708500546 | 4/1/1937 | Water    | Unknown Water | Vertical |           |        | 12        |        |       |       |       |       | 0          |
| 4708500546 | 4/1/1937 | Water    | Unknown Water | Vertical |           |        | 230       |        |       |       |       |       | 0          |
| 4708500546 | 4/1/1937 | Pay      | Oil           | Vertical |           | 1612   | Maxton    |        | 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 |
|------------|--|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4708500546 | Ritchie Petroleum Corp., Inc.            | 1991     |         |     |     |     |     |     |     |     |     |     |     |     |     |
| 4708500546 | Ritchie Petroleum Corp., Inc.            | 1992     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Ritchie Petroleum Corp., Inc.            | 1993     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Ritchie Petroleum Corp., Inc.            | 1994     |         |     |     |     |     |     |     |     |     |     |     |     |     |
| 4708500546 | Night Owl Well Service                   | 1994     |         |     |     |     |     |     |     |     |     |     |     |     |     |
| 4708500546 | Night Owl Well Service                   | 1995     |         |     |     |     |     |     |     |     |     |     |     |     |     |
| 4708500546 | Night Owl Well Service                   | 1996     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Night Owl Well Service                   | 1997     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Night Owl Well Service                   | 1998     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Night Owl Well Service                   | 1999     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Night Owl Well Service                   | 2001     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Night Owl Well Service                   | 2002     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Night Owl Well Service                   | 2003     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Night Owl Well Service                   | 2004     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2007     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2008     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2010     | 5       | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 2   |
| 4708500546 | Viking International Resources Co., Inc. | 2011     | 16      | 3   | 1   | 1   | 0   | 1   | 1   | 2   | 1   | 1   | 1   | 2   | 2   |
| 4708500546 | Viking International Resources Co., Inc. | 2012     | 13      | 1   | 1   | 1   | 2   | 2   | 1   | 3   | 0   | 0   | 2   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2013     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2014     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2015     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2016     | 60      | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   |
| 4708500546 | Viking International Resources Co., Inc. | 2017     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2018     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2019     | 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 |
|------------|--|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4708500546 | Ritchie Petroleum Corp., Inc.            | 1991     | 41      |     |     | 14  |     |     |     | 27  |     |     |     |     |     |
| 4708500546 | Ritchie Petroleum Corp., Inc.            | 1992     | 41      | 0   | 0   | 13  | 0   | 0   | 14  | 0   | 0   | 0   | 0   | 14  | 0   |
| 4708500546 | Ritchie Petroleum Corp., Inc.            | 1993     | 41      | 13  | 0   | 0   | 0   | 14  | 0   | 0   | 0   | 0   | 0   | 14  | 0   |
| 4708500546 | Ritchie Petroleum Corp., Inc.            | 1994     | 13      |     |     |     | 13  |     |     |     |     |     |     |     |     |
| 4708500546 | Night Owl Well Service                   | 1994     | 7       |     |     |     |     |     |     |     |     |     |     |     | 7   |
| 4708500546 | Night Owl Well Service                   | 1995     | 2       | 1   | 1   |     |     |     |     |     |     |     |     |     |     |
| 4708500546 | Night Owl Well Service                   | 1996     | 4       | 1   | 1   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Night Owl Well Service                   | 1997     | 8       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 8   |
| 4708500546 | Night Owl Well Service                   | 1998     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Night Owl Well Service                   | 1999     | 6       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 6   |
| 4708500546 | Night Owl Well Service                   | 2001     | 12      | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 4708500546 | Night Owl Well Service                   | 2002     | 38      | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 5   |
| 4708500546 | Night Owl Well Service                   | 2003     | 13      | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 13  |
| 4708500546 | Night Owl Well Service                   | 2004     | 48      | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 48  |
| 4708500546 | Viking International Resources Co., Inc. | 2007     | 53      | 0   | 0   | 0   | 0   | 53  | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2008     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2010     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2011     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2012     | 22      | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 22  | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2013     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2014     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2015     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2016     | 0       |     |     |     |     |     |     |     |     |     |     |     |     |
| 4708500546 | Viking International Resources Co., Inc. | 2017     | 0       |     |     |     |     |     |     |     |     |     |     |     |     |
| 4708500546 | Viking International Resources Co., Inc. | 2018     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2019     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

47-085-00546



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 |
|------------|--|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4708500546 | Viking International Resources Co., Inc. | 2013     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2014     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2015     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2016     | 0       |     |     |     |     |     |     |     |     |     |     |     |     |
| 4708500546 | Viking International Resources Co., Inc. | 2018     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2019     | 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 |
|------------|--|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4708500546 | Viking International Resources Co., Inc. | 2016     | 0       |     |     |     |     |     |     |     |     |     |     |     |     |
| 4708500546 | Viking International Resources Co., Inc. | 2018     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4708500546 | Viking International Resources Co., Inc. | 2019     | 0       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

There is no Stratigraphy data for this well

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

There is no Plugging data for this well

There is no Sample data for this well

47-085-00546P

47-085-00546P

WW-4A  
Revised 6-07

1) Date: September 22, 2020  
2) Operator's Well Number  
Nutter, M.B. #3  
3) API Well No.: 47 - 085 - 00546

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

|  |                                    |
|--|------------------------------------|
| <b>4) Surface Owner(s) to be served:</b> | <b>5) (a) Coal Operator</b>        |
| (a) Name <u>Coastal Lumber Co.</u> ✓     | Name <u>N/A</u>                    |
| Address <u>5th Street</u>                | Address _____                      |
| <u>Buckhannon, WV 26201</u>              | _____                              |
| (b) Name _____                           | (b) Coal Owner(s) with Declaration |
| Address _____                            | Name <u>N/A</u>                    |
| _____                                    | Address _____                      |
| (c) Name _____                           | Name _____                         |
| Address _____                            | Address _____                      |
| _____                                    | _____                              |
| <b>6) Inspector</b> <u>Michael Goff</u>  | (c) Coal Lessee with Declaration   |
| Address <u>1723 Auburn Road</u>          | Name <u>N/A</u>                    |
| <u>Pullman, WV 26421</u>                 | Address _____                      |
| Telephone _____                          | _____                              |

**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.

Commonwealth of Pennsylvania - Notary Seal  
 Angela L. Knepp, Notary Public  
 Centre County  
 My commission expires January 23, 2022  
 Commission number 1281314  
 Member, Pennsylvania Association of Notaries

Well Operator VIRCO  
 By: Bruce Carpenter  
 Its: Sr. Manager, Environmental, Health, Safety & Regulatory  
 Address 125 Putnam Street  
MARIETTA, OHIO 45750  
 Telephone 740-868-1324

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 WV Department of  
 Environmental Protection

Subscribed and sworn before me this 22 day of September 2020  
Angela L. Knepp Notary Public  
 My Commission Expires 01/23/2022

**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).

47-085-00546P

7019 2280 0001 0110 2578

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

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.  
Buckhannon, WV 26201

|  |        |
|--|--------|
| Certified Mail Fee   | \$3.55 |
| Extra Services & Fees (check box, add fee as appropriate)    | \$2.85 |
| <input type="checkbox"/> Return Receipt (hardcopy)           | \$0.00 |
| <input type="checkbox"/> Return Receipt (electronic)         | \$0.00 |
| <input type="checkbox"/> Certified Mail Restricted Delivery  | \$0.00 |
| <input type="checkbox"/> Adult Signature Required            | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 |
| Postage  | \$0.85 |



Total Postage \$7.25

Sent To Coastal Lumber Co. ✓

Street and 5th Street

City, State, Buckhannon, WV 26201

PS Form 3800, April 2019 Edition

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WV Department of Environmental Protection

WW-9  
(5/16)

API Number 47 - 085 - 00546  
Operator's Well No. Nutter, M. B. #3

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

Operator Name Virco OP Code 494494833

Watershed (HUC 10) \_\_\_\_\_ Quadrangle Pullman

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 SEE OFFSITE BELOW)

Will closed loop system be used? If so, describe: All flowback materials will be contained in open top pit.

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

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

Additives to be used in drilling medium? N/A

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

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

-Landfill or offsite name/permit number? Fluids will be disposed by contractor/operator at Mud Masters, LLC: See Attachments.

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 Bruce Carpenter

Company Official (Typed Name) Bruce Carpenter

Company Official Title Sr. Manager, Environmental, Health, Safety & Regulatory

|  |
|--|
| Commonwealth of Pennsylvania - Notary Public |
| Angela L. Knepp, Notary Public               |
| Centre County                                |
| My commission expires January 31, 2022       |
| Commission number 12813117                   |
| Member, Pennsylvania Association of Notaries |

Subscribed and sworn before me this 22 day of September, 20 20

Angela L Knepp Notary Public

My commission expires 01/23/2022

Proposed Revegetation Treatment: Acres Disturbed ONE Prevegetation pH 5.5

Lime Two Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch 50 Bales 2.5 Tons/acre

Seed Mixtures

| Temporary |          | Permanent        |          |
|-----------|----------|------------------|----------|
| Seed Type | lbs/acre | Seed Type        | lbs/acre |
|           |          | Orchard Grass    | 30%      |
|           |          | Rye(annual @BT)  | 35%      |
|           |          | Timothy (Climax) | 25%      |
|           |          | Clover (Med.Red) | 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: Michael Daff

Comments: Reseed & mulch any disturbed areas

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Title: Oil & Gas Inspector Date: 9-29-20

Field Reviewed?  Yes  No

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

Operator Name: Virco  
Watershed (HUC 10): \_\_\_\_\_ Quad: Pullman  
Farm Name: Coastal Lumber Co.

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

Plug to abandon operations.

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

Containment will be in place around the well. And a portable pit will be used for fluids.

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

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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.

N/A

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

No waste materials will be used for the deicing of area or equipment. And waste materials if any will not be used for material fill on the 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.

Spill protection training given to every employee. Spill kits and containment are on each work site.

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

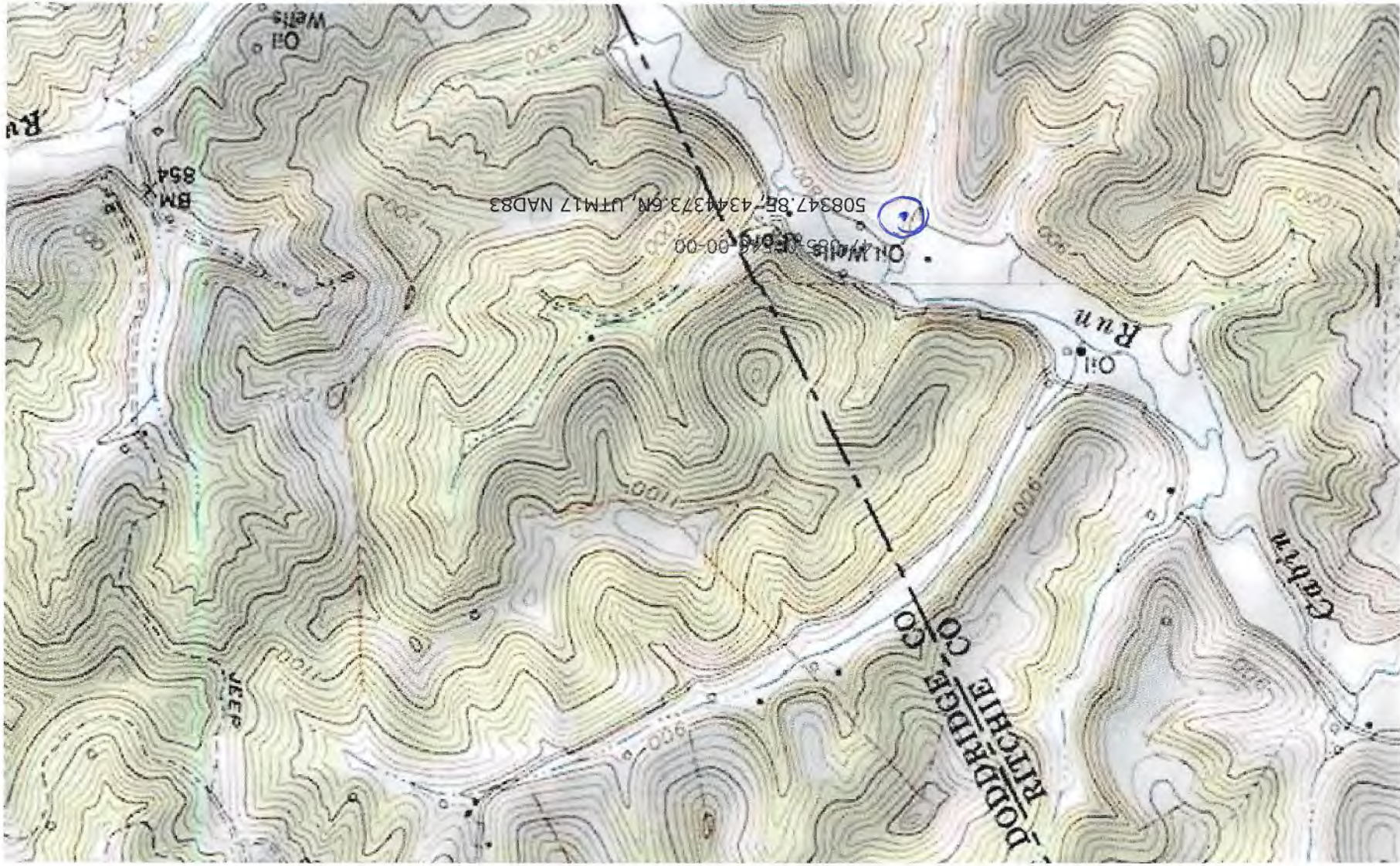
OCT 02 2020

Inspections are done before <sup>and</sup> during operations by designated employees.

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Environmental Protection

Signature: Angela Kanepp

Date: 09/22/2020

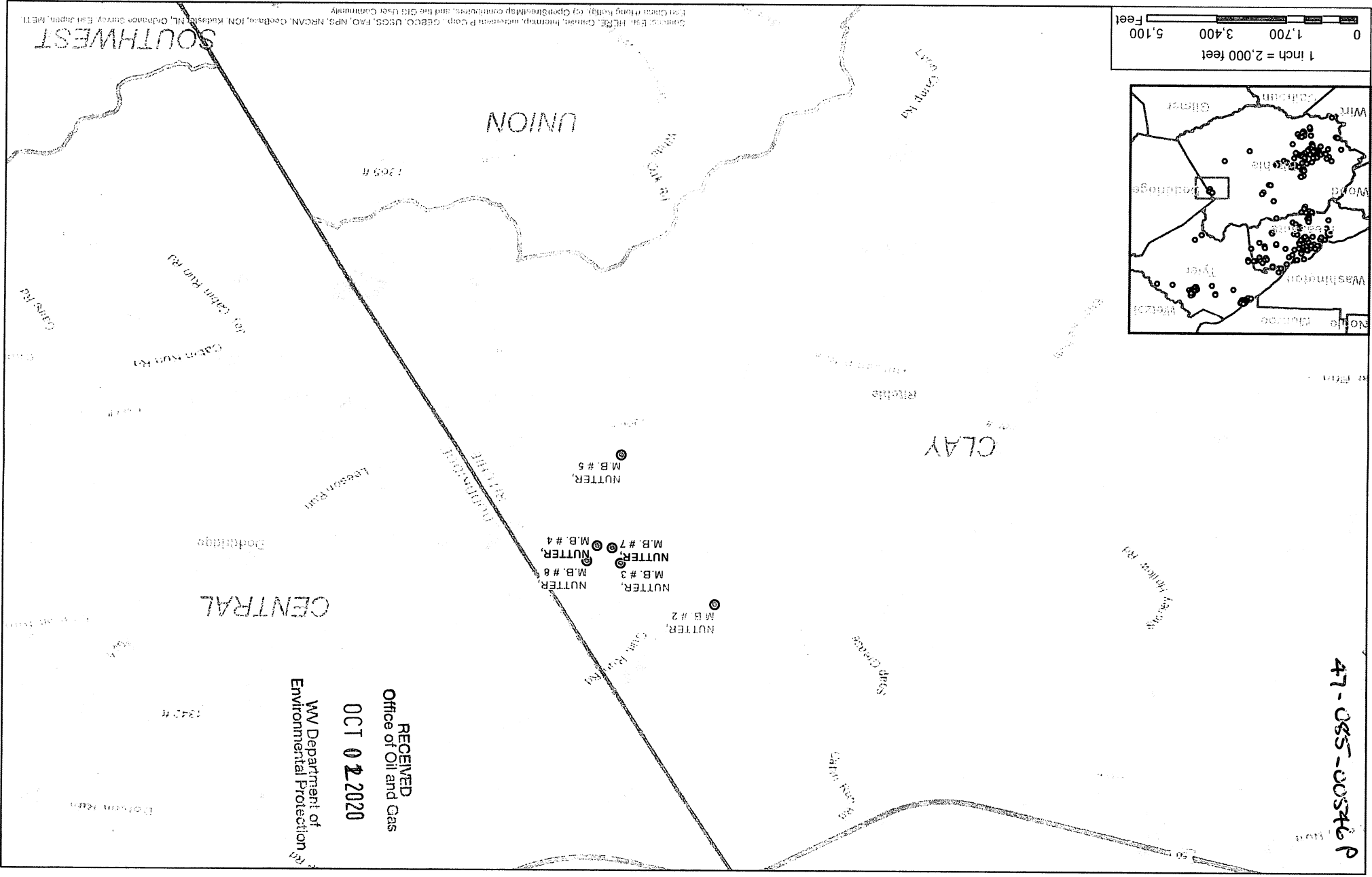
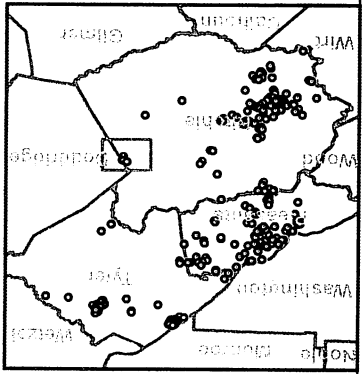


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1 inch = 2,000 feet

0 1,700 3,400 5,100 Feet



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**OCT 02 2020**  
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Source: Esri, HERE, DeLorme, Intermap, aerial, Swire, GEBCO, USGS, FAO, NPS, NRCAN, GEBCO, IGN, swisstopo, Mapbox, OpenStreetMap contributors, and the GIS User Community

47-085-00546 P

WW-7  
8-30-06



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

API: 47-085-00546 WELL NO.: 3

FARM NAME: Nutter, M.B.

RESPONSIBLE PARTY NAME: Virco

COUNTY: Ritchie DISTRICT: Clay

QUADRANGLE: Pullman

SURFACE OWNER: Coastal Lumber Co.

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4344373.6000

UTM GPS EASTING: 508347.8000 GPS ELEVATION: 826'

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.

Bruce Capts  
Signature

Sr. Mangager, EHSR  
Title

09/22/2020  
Date

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11/10/2016

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
- 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

Received Date  
Actually Oct. 2, 2020

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