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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)

Monday, April 5, 2021  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

STANDARD OIL COMPANY, INC.  
PO BOX 3363

PARKERSBURG, WV 26103

Re: Permit approval for 1  
47-051-00832-00-00

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: 1  
Farm Name: COLUMBIA CHEMICALS CO.  
U.S. WELL NUMBER: 47-051-00832-00-00  
Vertical Plugging  
Date Issued: 04/05/2021

## PERMIT CONDITIONS

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

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### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

1) Date 03/19/2021 <sup>4705100832P</sup>  
2) Operator's Well No. Columbia Chemicals #1  
3) API Well No. 47-051-0832

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation 676 Watershed Ohio River  
District Franklin County Marshall Quadrangle Rawhatten Point

6) Well Operator Standard oil Company Inc. 7) Designated Agent Andy Zelnor  
Address PO Box 3363 Address PO Box 3363  
Parkersburg WV 26103 Parkersburg WV 26103

8) Oil and Gas Inspector to be notified Name Berry Stallings  
Address 28 Conifer Drive  
Bridgeport WV 26330  
9) Plugging Contractor Name To be determined upon Approval  
Address \_\_\_\_\_

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

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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 Berry Stallings Date 3-24-21

09/02/2022

4705100832 P

Date: 03/16/2021  
Operator's Well number: 1  
API Well No: 47-051-00832

The work order for the manner of plugging this well is as follows:

TD: 1450' Elevation - 676'

Manner of plugging:

Plug 1 = 1450' – 930' bottom hole plug

Gel Spacer

Plug 2 = 950' – 850' salt water plug

Gel Spacer

Plug 3 = 726' – 626' elevation plug

Gel Spacer

Plug 4 = 540' – 340' coal plug

Gel Spacer

Plug 5 = 210' – Surface. Set Monument

Recover all possible casing. If casing cannot be recovered, perforate for plug placement.

6" minimum diameter metal pipe

30' above surface

10' in well above surface

Sealed with cement

API identification (1/2') height numbering

6% Gel between all plugs

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Environmental Protection

09/02/2022

WR-35

DATE: 11/25/00  
API #: 47-051-0832

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: COLUMBIET CHEMICALS Operator Well No.: 1  
LOCATION: Elevation: 676 Quadrangle: POWHEITAN POINT  
District: FRANKLIN County: MARSHALL  
Latitude: 01525 Feet South of 39 Deg. 47 Min. 30 Sec.  
Longitude 250 Feet West of 86 Deg. 50 Min. \_\_\_\_\_ Sec.

Company: INTEGRATION ENERGY

|                                       | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cr. Ft. |
|---------------------------------------|-----------------|------------------|--------------|------------------------|
| Address: <u>RT. 2 Box 245</u>         |                 |                  |              |                        |
| <u>MANNINGTON WV 26582</u>            |                 |                  |              |                        |
| Agent: <u>JOE O'FARRELL</u>           |                 |                  |              |                        |
| Inspector: <u>PAMMY MICK</u>          | <u>11 3/4</u>   | <u>160</u>       | <u>160</u>   | <u>CTS</u>             |
| Date Permit Issued:                   |                 |                  |              |                        |
| Date Well Work Commenced: <u>4/97</u> |                 |                  |              |                        |
| Date Well Work Completed: <u>4/97</u> |                 |                  |              |                        |
| Verbal Plugging:                      |                 |                  |              |                        |
| Date Permission granted on:           |                 |                  |              |                        |
| Rotary Cable Rig                      |                 |                  |              |                        |
| Total Depth (feet): <u>1750</u>       |                 |                  |              |                        |
| Fresh Water Depth (ft.):              |                 |                  |              |                        |
| Salt Water Depth (ft.):               |                 |                  |              |                        |
| Is coal being mined in area (N/Y)?    |                 |                  |              |                        |
| Coal Depths (ft.):                    |                 |                  |              |                        |

OPEN FLOW DATA

Producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

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NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: \_\_\_\_\_  
By: \_\_\_\_\_  
Date: \_\_\_\_\_

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

- 1) Well Operator: WV DEP 51635 (3) 598
- 2) Operator's Well Number: Columbian Chemicals Co #13 Elevation: \_\_\_\_\_
- 4) Well type: (a) Oil / or Gas X
- (b) If Gas: Production / / Underground Storage /  
Deep / Shallow X
- Proposed Target Formation(s): Big Trujon
- Proposed Total Depth: 1450 feet
- Approximate fresh water strata depths: 40' 90'
- Approximate salt water depths: 900'
- 9) Approximate coal seam depths: 440'
- 10) Does land contain coal seams tributary to active mine? Yes / / No /
- 11) Proposed Well Work: Drill For Relief Well
- 12)

23221



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CASING AND TUBING PROGRAM

| TYPE         | SPECIFICATIONS |       | FOOTAGE INTERVALS |              | CEMENT |              |
|--------------|----------------|-------|-------------------|--------------|--------|--------------|
|              | Size           | Grade | Weight per ft.    | For drilling |        | Left in well |
| Conductor    |                |       |                   |              |        |              |
| Fresh Water  | 11 3/4"        | H 40  | 42#               | 160'         | 160'   | CTS          |
| Coal         |                |       |                   |              |        |              |
| Intermediate | 7"             | JSS   | 20#               | 1030'        | 1030'  | CTS          |
| Production   |                |       |                   |              |        |              |
| Tubing       |                |       |                   |              |        |              |
| Liners       |                |       |                   |              |        |              |

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PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

WV Department of Environmental Protection

For Office of Oil and Gas Use Only

- Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP
- Plat  WW-9  WW-2B  Bond \_\_\_\_\_  Agent \_\_\_\_\_  
(Type)



INSPECTOR'S PERMIT SUMMARY FORM

47056008328  
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OCT 11 1999  
WV Division of  
Environmental Protection

DATE STARTED/LOCATION: 4/97  
DRILLING COMMENCED:  
TD DATE: 4/97 DEPTH: 1450

API# 47- 51-00832  
OPERATOR: UNKNOWN - DEP PAID-PLUGGING  
FARM: COLUMBIA CHEMICALS CO.  
WELL NO.: 1  
COAL DEPTHS

WATER DEPTHS

1. IS THE OPERATOR KEEPING DETAILED DRILLING AND CEMENT RECORDS:  
 YES [ ] NO [ ] (6 POINTS)
- RAN 160 FEET OF 1 3/4" PIPE ON        CEMENTED WITH        SACKS (CIRCULATED) Y  
 RAN 2 FEET OF 3/4" PIPE ON        CEMENTED WITH        SACKS (CIRCULATED) Y  
 RAN        FEET OF       " PIPE ON        CEMENTED WITH        SACKS (CIRCULATED) Y  
 RAN        FEET OF       " PIPE ON        CEMENTED WITH        SACKS (CIRCULATED) Y
- PIT DISCHARGE DATE:        TYPE:        WEATHER CONDITIONS:        LAND

ACRES DISCHARGED: Water PIT VOLUME:        PIT ADDITIVES:       

FIELD ANALYSIS: pH        Fe        mg/l cl        mg/l D.O.        mg/L toc        mg/L

QUESTIONS FOR THIS REPORT ARE IN ACCORDANCE OF WV CODE 22-6-28, 22-6-30, 22-6-6, 22-6-7, AND 22-6-27 AND REGULATION 38CSR 18-9.2.3, 38CSR 18-12.1, 38CSR 18-16.5, 38CSR 18-16.6.

TOTAL POINTS AVAILABLE FOR QUESTION 2:        2. (10 POINTS)

2. DID OPERATOR GIVE PROPER NOTICE TO INSPECTOR BEFORE THE FOLLOWING:  
 A. CONSTRUCTION YES [ ] NO [ ] (2 PTS) B. DRILLING YES [ ] NO [ ] (2 PTS)  
 C. PIT TREATMENTS YES [ ] NO [ ] (2 PTS) D. PIT DISCHARGE YES [ ] NO [ ] (2PT)  
 E. RECLAMATION YES [ ] NO [ ] (2 PTS)

3. DID THE OPERATOR HAVE PERMIT ON SITE? YES [ ] NO [ ] 3. (4 POINTS)

4. WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE DIRT WORK STARTED? YES [ ] NO [ ] 4. (4 POINTS)

5. ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES [ ] NO [ ] 5. (4 PTS)

TOTAL POINTS AVAILABLE FOR QUESTION 6:        6. (21) POINT

6. WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAIN  
 A. ROAD DITCHES YES [ ] NO [ ] (3PTS) B. CROSS DRAINS YES [ ] NO [ ]  
 C. CULVERTS YES [ ] NO [ ] (3PTS) D. CREEK CROSSINGS YES [ ] NO [ ]  
 E. DIVERSION DITCHES YES [ ] NO [ ] (3PTS) F. BARRIERS YES [ ] NO [ ]  
 G. TEMPORARY SEEDING YES [ ] NO [ ] (3PTS)

7. HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES [ ] NO [ ] 7. (2 PTS)

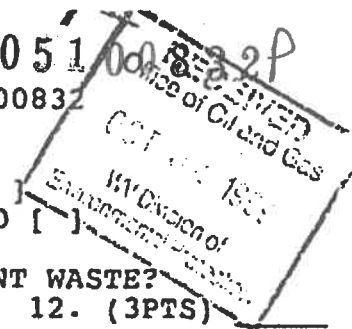
8. IS THE WELL STAKE IN THE PROPER SPOT IN ACCORDANCE WITH 38CSR-9.2.3 AFTER CONSTRUCTION? YES [ ] NO [ ] 8. (3 PTS)

9. IS THE PIT PROPERLY INSTALLED? YES [ ] NO [ ]  
 A. WALLS COMPACTED YES [ ] NO [ ], CUT YES         
 B. FREE OF DEBRIS BEFORE LINING YES [ ] NO [ ]  
 C. LINED YES [ ] NO [ ]  
 D. FLUIDS CONTAINED YES [ ] NO [ ]  
 E. FREE OF NON EXEMPT/RESTRICTED MATERIALS YES [ ] NO [ ]  
 F. PROPERLY TREATED YES [ ] NO [ ]

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9. (6 PTS)

10. DID INSPECTOR APPROVE ALL MODIFICATIONS YES [ ] NO [ ]  
TOTAL POINTS PAGE 1 (60 P

47051



11. WAS INSPECTOR ON SITE DURING THE FOLLOWING:
- A. CONSTRUCTION YES [ ] NO [ ]
  - B. DRILLING YES [ ] NO [ ]
  - C. PIT TREATMENT YES [ ] NO [ ]
  - D. RECLAMATION YES [ ] NO [ ]

12. IS EQUIPMENT AND SITE BEING PROPERLY MAINTAINED TO PREVENT WASTE?
- A. SPILLS YES [ ] NO [ ]
  - B. SOLID WASTE YES [ ] NO [ ]
12. (3PTS)

13. IS EQUIPMENT BEING PROPERLY OPERATED TO MAINTAIN SAME CONDITIONS?
- A. BLOW OUT PREVENTER YES [ ] NO [ ]
  - B. FLOW LINE YES [ ] NO [ ]
  - C. FIRE EXTINGUISHER YES [ ] NO [ ]
  - D. OTHERS YES [ ] NO [ ]
13. (3PTS)

TOTAL POINTS AVAILABLE FOR QUESTION 14: 14. (18PTS)

14. WAS ROAD AND LOCATION PROPERLY RECLAIMED? YES [ ] NO [ ]
- A. ROADWAY YES [ ] NO [ ] (2PTS)
  - B. LOCATION YES [ ] NO [ ] (2PTS)
  - C. PITS YES [ ] NO [ ] (2PTS)
  - D. PIPELINES YES [ ] NO [ ] (2PTS)
  - E. TANK DIKES YES [ ] NO [ ] (2PTS)
  - F. GATES & FENCES YES [ ] NO [ ] (2PTS)
  - G. API NUMBER INSTALLED YES [ ] NO [ ] (2PTS)
  - H. ADEQUATE SEEDING MATERIALS YES [ ] NO [ ] (2PTS)
  - I. WAS SEED BED ADEQUATE YES [ ] NO [ ] (2PTS)
  - J. SOIL pH BEFORE \_\_\_\_\_ AFTER \_\_\_\_\_
  - K. WAS PIT COVERED WITHIN 30 DAYS YES [ ] NO [ ]

TOTAL POINTS AVAILABLE FOR QUESTION 15: 15. (15PTS)

15. WAS RECLAMATION COMPLETED WITHIN:
- 6 MONTHS OF TD YES [ ] NO [ ] 8 POINTS
  - 4 MONTHS OF TD YES [ ] NO [ ] 3 POINTS
  - 2 MONTHS OF TD YES [ ] NO [ ] 4 POINTS

*No Rec Score*

16. TOTAL RECLAMATION SCORE: \_\_\_\_\_

DATE

VISITS

*This well was drilled for Relief of Gas.*

*Well was taken over by Innovation Energy Inc.*

*Wells still not producing*

*7/26/99*

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WV Department of Environmental Protection

7/26/99  
DATE RELEASED

*Randal Misch*  
INSPECTOR

09/02/2022



47-051-00832 P

WW-4A  
Revised 6-07

1) Date: 04-01-21  
2) Operator's Well Number \_\_\_\_\_  
3) API Well No.: 47- 051 . 00832

**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 CNX Land Resources  
Address CONSOL COAL - Property TAX  
1000 CONSOL ENERGY DR  
CHARLESTON, PA 15317

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

5) (a) Coal Operator  
Name SAME  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

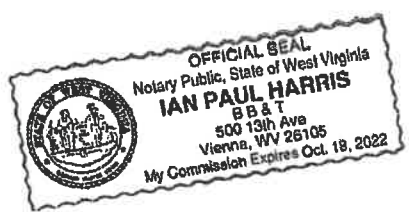
6) Inspector  
Address \_\_\_\_\_  
Telephone \_\_\_\_\_

**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.



Well Operator Standard Oil Company, Inc  
By: Andrew Zelnor  
Its: President  
Address PO Box 3363 Parkersburg WV 26103  
Telephone 304-699-2117

Subscribed and sworn before me this 1 day of April 2021  
My Commission Expires Oct. 18, 2022 Notary Public

**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).

09/02/2022

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Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To \_\_\_\_\_

Street and Apt. No., or PO Box No. \_\_\_\_\_

City, State, ZIP+4® \_\_\_\_\_

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

WAXTON, WV 25285  
 MAR 19 2021  
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Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To \_\_\_\_\_

Street and Apt. No., or PO Box No. \_\_\_\_\_

City, State, ZIP+4® \_\_\_\_\_

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

WAXTON, WV 25285  
 MAR 19 2021  
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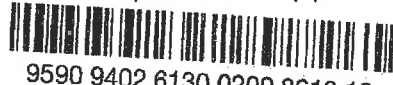
MAR 29 2021

WV Department of  
Environmental Protection

09/02/2022

47-051-00832 P

| SENDER: COMPLETE THIS SECTION  | COMPLETE THIS SECTION ON DELIVERY  |                         |
|--|--|-------------------------|
| <ul style="list-style-type: none"> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>   | <p>A. Signature<br/><i>Natalie Cardinal</i> <input type="checkbox"/> Agent<br/><input checked="" type="checkbox"/> Addressee</p>   |                         |
| 1. Article Addressed to:<br>CNX Land Resources inc<br>CONSOL COAL - Property TAX<br>1000 CONSOL Energy DR<br>CANONSBURG, PA 15317  | B. Received by (Printed Name)<br>Natalie Cardinal  | C. Date of Delivery     |
| 2. <br>9590 9402 6130 0209 8610 20  | D. Is delivery address different from item 1? <input type="checkbox"/> Yes<br>If YES, enter delivery address below: <input type="checkbox"/> No  |                         |
| 3. Service Type<br><input type="checkbox"/> Adult Signature<br><input type="checkbox"/> Adult Signature Restricted Delivery<br><input type="checkbox"/> Certified Mail®<br><input type="checkbox"/> Certified Mail Restricted Delivery<br><input type="checkbox"/> Collect on Delivery<br><input type="checkbox"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Priority Mail Express®<br><input type="checkbox"/> Registered Mail™<br><input type="checkbox"/> Registered Mail Restricted Delivery<br><input type="checkbox"/> Return Receipt for Merchandise<br><input type="checkbox"/> Signature Confirmation™<br><input type="checkbox"/> Signature Confirmation Restricted Delivery |                         |
| 2. 7020 1810 0001 6450 1473  |  | restricted Delivery     |
| PS Form 3811, July 2015 PSN 7530-02-000-9053   |  | Domestic Return Receipt |

| SENDER: COMPLETE THIS SECTION  | COMPLETE THIS SECTION ON DELIVERY  |                                  |
|--|--|----------------------------------|
| <ul style="list-style-type: none"> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>   | <p>A. Signature<br/><i>Natalie Cardinal</i> <input type="checkbox"/> Agent<br/><input checked="" type="checkbox"/> Addressee</p>   |                                  |
| 1. Article Addressed to:<br>CNX Land Resources inc<br>CONSOL COAL - Property TAX<br>1000 CONSOL Energy DR<br>CANONSBURG, PA 15317  | B. Received by (Printed Name)<br>Natalie Cardinal  | C. Date of Delivery              |
| 2. <br>9590 9402 6130 0209 8610 13  | D. Is delivery address different from item 1? <input type="checkbox"/> Yes<br>If YES, enter delivery address below: <input type="checkbox"/> No  |                                  |
| 3. Service Type<br><input type="checkbox"/> Adult Signature<br><input type="checkbox"/> Adult Signature Restricted Delivery<br><input type="checkbox"/> Certified Mail®<br><input type="checkbox"/> Certified Mail Restricted Delivery<br><input type="checkbox"/> Collect on Delivery<br><input type="checkbox"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Priority Mail Express®<br><input type="checkbox"/> Registered Mail™<br><input type="checkbox"/> Registered Mail Restricted Delivery<br><input type="checkbox"/> Return Receipt for Merchandise<br><input type="checkbox"/> Signature Confirmation™<br><input type="checkbox"/> Signature Confirmation Restricted Delivery |                                  |
| 2. 7020 1810 0001 6450 1466  |  | restricted Delivery (over \$500) |
| PS Form 3811, July 2015 PSN 7530-02-000-9053   |  | Domestic Return Receipt          |

09/02/2022

API No. 47-051-0832

Farm Name Columbia Chemicals

Well No. # 1

### INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

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

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

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

### WAIVER

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

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

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

Its \_\_\_\_\_

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

Operator Name: Standard oil company Inc.  
Watershed (HUC 10): Ohio River Quad: Powhatan Point  
Farm Name: Columbia Chemical.

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

N/A

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

N/A

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

N/A

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

N/A

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

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N/A

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

N/A

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

N/A

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

N/A

Signature: \_\_\_\_\_

Date: 3-24-21

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WW-9  
(5/16)

4705100832

API Number 47 - 051 - 0832  
Operator's Well No. Columbic Chemicals #1

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

Operator Name Standard Oil Company INC OP Code 4194482733

Watershed (HUC 10) Ohio River Quadrangle POWERSMAN POINT

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: N/A

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? N/A

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: Yes Tank/Truck.

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

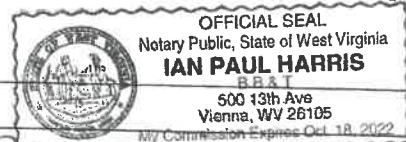
-Landfill or offsite name/permit number? N/A

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) Andrew Zelner  
Company Official Title Sr. UP. Production - Appalachian Region.



Subscribed and sworn before me this 17 day of March, 2021

[Signature] Notary Public

My commission expires Oct. 18, 2022

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

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10/20/20

Fertilizer amount 500 lbs/acre

Mulch straw 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Tall Fescue 40

Tall Fescue 40

Ladino Clover 5

Ladino clover 5

\* Sediment Control will be in place at All Time. \*

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: \_\_\_\_\_

Barry Stiller

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

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Title: inspector

Date: 3-24-21

Field Reviewed?  Yes

No



4705100882P

7

Yost Run

Ohio River

Energy Rd

2



2 hr 21 min

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Coon Ru

1,000 ft  
200 m

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7

OHIO  
WEST VIRGINIA

05100832P

Energy Rd

2

47-051-0832

Energy Rd

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7

4705100832P

2

Franklin

1

47051008320000



Ohio River

2

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

API: 47-051-0832 WELL NO.: #1

FARM NAME: Columbis Chemical

RESPONSIBLE PARTY NAME: Standard oil Company Inc.

COUNTY: Marshall DISTRICT: Franklin

QUADRANGLE: Powhatan Point

SURFACE OWNER: Columbis Chemical

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

UTM GPS NORTHING: <sup>440 4183 N</sup>  
39.7874784207315

UTM GPS EASTING: <sup>514207 E</sup>  
~~80.834074235758~~ GPS ELEVATION: 676'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

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

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

Real-Time Differential

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

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

4. Letter size copy of the topography map showing the well location.

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

[Signature]  
Signature

SR VP Protection  
Title

3-17-21  
Date

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Kennedy, James P &lt;james.p.kennedy@wv.gov&gt;

---

**Fwd: FW: Plugging Permit for API Well No. 47-051-00832**

1 message

---

**McLaughlin, Jeffrey W** <jeffrey.w.mclaughlin@wv.gov>  
To: James P Kennedy <james.p.kennedy@wv.gov>

Wed, Aug 31, 2022 at 3:25 PM

Here you go.

Jeff

----- Forwarded message -----

From: **McLaughlin, Jeffrey W** <Jeffrey.W.McLaughlin@wv.gov>

Date: Mon, Apr 5, 2021 at 10:05 AM

Subject: FW: Plugging Permit for API Well No. 47-051-00832

To: Brewer, Charles T &lt;Charles.T.Brewer@wv.gov&gt;, Andy Zelnar &lt;azelnar@standardoil.biz&gt;

Gentlemen:

Please find attached the plugging permit for Columbia Chemicals No. 1 (API No. 47-051-00832).

Regards

**Jeffrey W. McLaughlin**

Jeff McLaughlin, B.S. Petroleum Eng.

Technical Analyst, Office of Oil &amp; Gas

WV Dept. of Environmental Protection

Phone: 304-926-0499 Ext. 41110

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**From:** 14265@wv.gov <14265@wv.gov>  
**Sent:** Monday, April 5, 2021 10:14 AM  
**To:** McLaughlin, Jeffrey W <Jeffrey.W.McLaughlin@wv.gov>  
**Subject:** Message from KM\_C458

09/02/2022



**SKM\_C45821040510130.pdf**

1497K

09/02/2022