

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

Monday, May 15, 2023
WELL WORK PLUGGING PERMIT
Vertical Plugging

UNKNOWN - DEP PAID PLUGGING CONTRACT 601 57TH STREET

CHARLESTON, WV 25304

Re: Permit approval for 1 47-041-05745-00-00

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: UNITED STATES OF AMER

U.S. WELL NUMBER: 47-041-05745-00-00

Vertical Plugging
Date Issued: 5/15/2023

PERMIT CONDITIONS

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

CONDITIONS

- 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.
- 3. 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.

WW-4B Rev. 2/01

| 1) Date 4/6/ | , 20 23 |
|-------------------------|---------|
| 2) Operator's | |
| Well No. Unknown DEP Pa | |
| 3) API Well No. 470 | 4105745 |

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

| | APPLICATION FOR A PERM | IIT TO PLUG AND ABANDON |
|------------|--|---|
| * ** | Well Type: Oil X / Gas X / Liquid | injection / Waste disposal / |
| 4) | (If "Gas, Production or Und | derground storage) Deep/ Shallow X |
| Ē., | Flouration 1098 | Watershed 50200020104 |
| 5) | Location: Elevation 1098 District Skin Creek | County Lewis Quadrangle Adrian |
| | District Omn Order | country |
| <i>C</i> > | Well Operator Unknown DEP Paid Plugging Contract | 7) Designated Agent Jason Harmon |
| 6) | Address 601 57th Street | Address 601 57th Street |
| | Charleston, WV 25304 | Charleston, WV 25304 |
| | | |
| 8) | Oil and Gas Inspector to be notified | 9) Plugging Contractor |
| 0) | Name Kenneth Greynolds | Name North Wind Site Services |
| | Address 613 Broad Run Drive | Address 1425 Higham St |
| | Jane Lew, WV 26378 | Idaho Falls, ID 83402 |
| | Work Order: The work order for the mann | RECEIVED Office of Oil and Gas MAY 05 2023 WV Department of Environmental Protection |
| | ification must be given to the district o k can commence. | il and gas inspector 24 hours before permitted |
| Wor | Kenneth Grey | Proold Signally signed by Kenneth Greynoids Signature On a Kenneth Greynoids Signature On a Kenneth Greynoids Signature On a Model of the Comment of the |

47-041-05745

Elevation: 1098'

Well Records: None

Well Details: Open 6 5/8" casing visible at surface.

Offset Well 47-041-00889 indicates:

Elevation @ 1088'

Coal: None Reported

TD @ 2514'

Gas show: Dry hole

10" @ 50'

Fresh water @ 20'

8 1/4" @ 380'

Oil Show: Dry hole

7" @ 1898'

4 1/2" @2514'

RECEIVED
Office of Oil and Gas

MAY 05 2023

Notes: *Class A or Class L Cement is required.

WV Department of Environmental Protection

*6% gel will be used between all cement plugs.

*Any casing that cannot be retrieved or does not have cement at annulus, must be perforated at all cement plugs.

Procedure:

- 1) Notify Inspector Kenneth Greynolds 304-206-6613 at least 48 hours prior to commencing plugging operations.
- 2) MIRU. RIH w/ CCL, locate bottom of 6 5/8". Check TD. Contact WV State Inspector for approved TD.
- 3) TIH w/ tubing to approved TD. Pump 30 bbls of 6% gel. Set 100' cement plug. TOOH w/ 30 jnts of tubing. WOC. Tag TOC, top off as needed.
- 4) TIH w/ tubing to 50' below casing seat. Set 100' cement plug covering 6 5/8" casing seat. TOOH w/ tubing. WOC. Tag TOC, top off as needed.
- 5) Free-point and pull 6 5/8" casing. If able to pull casing, TIH w/ tubing to casing cut. Set 100' cement plug 50' in and 50' out of casing cut. If unable to pull, perforate casing @ 1148', 1098', and 1048'.
- 6) TIH w/ tubing to 1148'. Set 100' Class A Cement plug from 1148' to 1048' (Elevation @ 1098'). TOOH w/ tubing. WOC. Tag TOC, top off as needed.
- 7) Perforate casing @ 150', 100', and 50'
- 8) TIH w/ tubing to 150'. Circulate cement to surface. TOOH w/ tubing.
- 9) Top off well and install monument. Reclaim to WV DEP Specifications.



STATE OF WEST VIRGINIA D

*Spudder ---

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DEPARTMENT OF MINES Vinana Cable Tools OIL AND GAS DIVISION Storage Quadrangle Burnsville WELL RECORD Oil or Gas Well Dry Hole Permit No Ley-889 Company Andy Weaver Parkersburg, Left in Well Casing and Tubing Packers ... W. Va. Drilling Address Thad Duvall Farm. West Fork River Size Location (waters) Kind of Packer Well No Collins Seltment Lewis
District Collins Seltment Thad Duvall The surface of tract is owned in fee Btrange Crook, Waddr Cixe of 3801 Depth-set. Mineral rights are owned by .5 3/16 Addres Perf. top. 10/1/61 Drilling commenced 1/1/62 Perf. bottom Drilling completed Perf. top. Liners Used Date Shot li. Perf. bottom With Open Flow O /10ths Water in. Inch 1 41 SIZE 2514 No. Ft 1/5/62 Date /10ths Metc. in Inch 1. Cu. Ft. 1. Rock Pressure. COAL WAS ENCOUNTERED AT NONE INCHES . WELL ACIDIZED. INCHES Not Treated Dry WELL FRACTURED. RESULT AFTER TREATMENT. ROCK PRESSURE AFTER TREATMENT. None Salt Water. Fresh Water 20

| Formation | -Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
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WW-4A Revised 6-07 1) Date:

2) Operator's Well Number

Unknown DEP Paid Plugging Contract

3) API Well No.: 4704105745

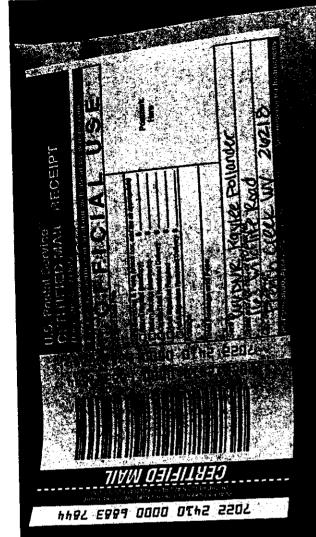
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

| 4) Surface Own | ner(s) to be served: | 5) (a) Coal Operator |
|--------------------------------------|--|---|
| (a) Name | United States of America | Name |
| Address | C/O WV DNR, ATTN Kaylee Pollander | Address |
| ******* | 163 Wildlife Road, French Creek, WV 2 | 26218 |
| (b) Name | | (b) Coal Owner(s) with Declaration |
| Address | | Name |
| | | Address |
| | | Name |
| (c) Name | | Address |
| Address | | Address |
| | | (c) Coal Lessee with Declaration |
| 6) Inspector | Kenneth Greynolds | Name |
| Address | 613 Broad Run Road | Address |
| | Jane Lew, WV 26378 | Address |
| Telephone | 304-206-6613 | |
| | TOTAL TOTAL | E and the following documents: |
| TO THE PE | RSONS NAMED ABOVE | E: You should have received this Form and the following documents: |
| Take notic accompan Protection | lying documents for a permit to plug and abar | |
| 90-2 | | Office of Oil and Gas |
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| CA A | STATE OF WEST VIRGINIA | 1700 |
| W Depa | Zachary 9 Johnson 1US: urtment of Environmental Protection, Office Address | WV Department of |
| 601 My C | 57th Street SE, Charleston, WV 25304 Griffmission Expires February 15, 2028 | Environmental Protection |
| ····· | Telephon | ne |
| | 2000 | |
| Subscribed an | d work before me this 15th | \underline{day} of \underline{May} 2023 |
| mal | cleh 1 | Notary Public |
| My Commission | on Expires 2 5 3 | |
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| Oil and Gas Pri | | V 5: 40. |
| The Office of O | l and Gas processes your personal es. Your personal information may | information, such as name, address and phone number, as a part of our be disclosed to other State agencies or third parties in the normal course of a scale to a requirements, including Freedom of Information Act requests. Our |

business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our

information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

office will appropriately secure your personal information. If you have any questions about our use of your personal 05/19/2023





west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304 Phone (304) 926-0450 Harold D. Ward, Cabinet Secretary dep.wv.gov

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

| IN THE MATTER OF A VARIANCE FROM LEGISLATIVE RULE 35CSR4 SECTION 14.1. AND LEGISLATIVE RULE 35CSR8 SECTION 20.1, RELATING TO THE CEMENTING OF OIL AND GAS WELLS |)))) | ORDER NO. | 2022-13 |
|--|---------|-----------|---------|
|--|---------|-----------|---------|

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

FINDINGS OF FACT

- On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
- Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
- Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a
 variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in
 place of API Class A cement, relating to the plugging of horizontal wells.

Promoting a healthy environment

 On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

ORDER

It is ordered that the Class L cement product approved and monogramed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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

James Martin, Chief Office of Oil and Gas

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WW-9 (5/16)

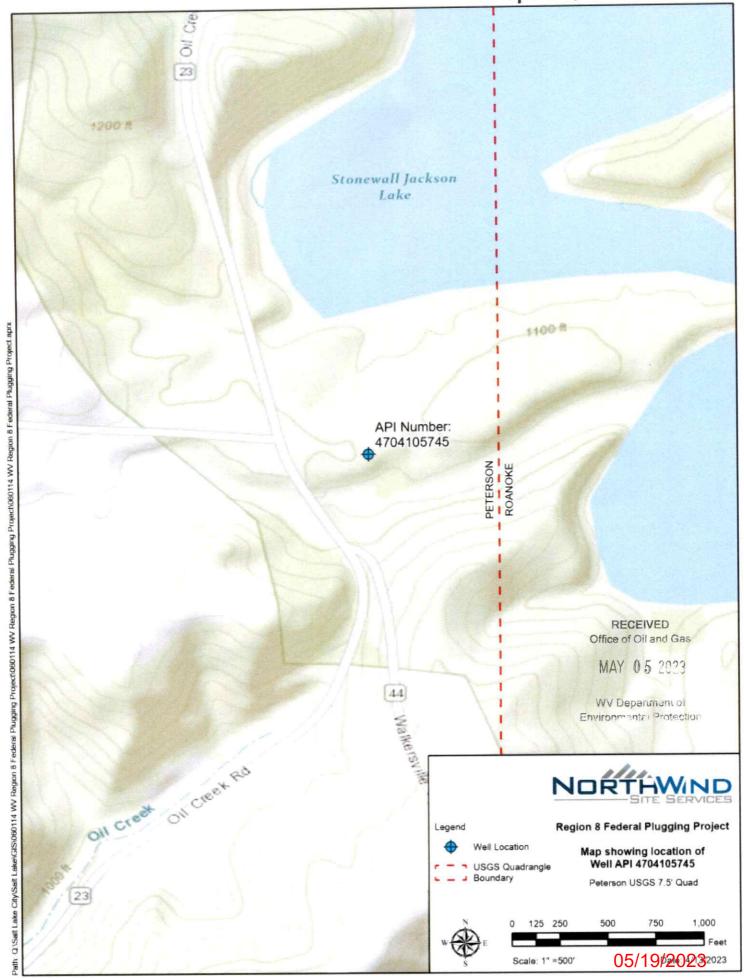
| API Number 47 - | 041 | 05745 | |
|--------------------|-----|------------------|-------------|
| Operator's Well No | | DEP Paid Pluggii | ng Contract |

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

| Operator Name Unknown DEP Paid Plugging Contract | OP Code | |
|---|--|--|
| Watershed (HUC 10) 050200020103 | Quadrangle Peterson | |
| Do you anticipate using more than 5,000 bbls of water to con | | 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: | : | |
| Reuse (at API Number Off Site Disposal (Supply form V Other (Explain | mit Number |) |
| **Any well effluent must be contained in tanks | and disposed of off-site at an appro | oved facility. |
| Will closed loop systembe used? If so, describe: N/A | | |
| Drilling medium anticipated for this well (vertical and horizon | ontal)? Air, freshwater, oil based, etc. N/A | |
| -If oil based, what type? Synthetic, petroleum, etc. | | RECEIVED |
| Additives to be used in drilling medium? N/A | | Office of Oil and Gas |
| Drill cuttings disposal method? Leave in pit, landfill, remove | ed offsite, etc. N/A | MAY 05 2023 |
| -If left in pit and plan to solidify what medium will | be used? (cement, lime, sawdust) | W. Ceratmani |
| -Landfill or offsite name/permit number? | | Environmental Protector |
| Permittee shall provide written notice to the Office of Oil and West Virginia solid waste facility. The notice shall be provid where it was properly disposed. | | |
| I certify that I understand and agree to the terms an on April 1, 2016, by the Office of Oil and Gas of the West V provisions of the permit are enforceable by law. Violations of or regulation can lead to enforcement action. I certify under penalty of law that I have personal application form and all attachments thereto and that, based of the information, I believe that the information is true, accurately submitting false information, including the possibility of fine Company Official Signature Company Official (Typed Name) Kimberley Kearney, | Virginia Department of Environmental Protect of any term or condition of the general permit a ally examined and am familiar with the informing inquiry of those individuals immediately rate, and complete. I am aware that there are or imprisonment. | tion. I understand that the and/or other applicable law mation submitted on this responsible for obtaining |
| Company Official TitlePresident | | |
| Company official Fine Transport | | |
| Subscribed and swom before me this 3rd day of Marie Del | May . 20 23 Recco Notary Public | MARIE OF STATE STATE TENNESSEE |
| My commission expires 08/01/2024 | | E TENNESS |

| Proposed Revegetation Trea | tment: Acres Disturbed 0.18 | Preveg etation p | рн |
|---|--|--|--|
| | Tons/acre or to correct to pH | | |
| Fertilizer type 10- | 10-20 or similar | | |
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| Mulch_ Hay/Straw | 2Tons/ac | ere | |
| | Seed | <u>Mixtures</u> | |
| Te | emporary | Perm | anent |
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| Sudangrass | 40 | Tall Fescue | 50 |
| Attach: Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, or | it and proposed area for land applica pit will be land applied, provide wa f the land application area. | tion (unless engineered plans incher volume, include dimensions (I | uding this info have been L, W, D) of the pit, and dime |
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Kennedy, James P < james.p.kennedy@wv.gov>

plugging permit issued 4704105745

1 message

Kennedy, James P <james.p.kennedy@wv.gov> Mon, May 15, 2023 at 3:17 PM To: Henry J Harmon <henry.j.harmon@wv.gov>, Kenneth L Greynolds <kenneth.l.greynolds@wv.gov>, jbreen@assessor.state.wv.us

To whom it may concern, a plugging permit has been issued for 4704105745.

James Kennedy

WVDEP OOG

